Hideo Yamakado

List of Publications by Year
in descending order

49	949	394286 19	454834 30
papers	citations	h-index	g-index

49	49	49	573
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Search for Crystal Structure Candidates by Applying the Generalized Scaled Hypersphere Search Method to Volume of Unit Cell Containing Quasi Rigid Body Approximated Atoms and Molecules. Chemistry Letters, 2021, 50, 1559-1561.	0.7	0
2	Quantum Chemical Exploration of Intermolecular Reactions of Acetylene. Journal of Computational Chemistry, 2020, 41, 687-697.	1.5	2
3	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.	0.8	3
4	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.	0.7	4
5	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.	1.2	1
6	Exploration of Carbon Allotropes with Fourâ€membered Ring Structures on Quantum Chemical Potential Energy Surfaces. Journal of Computational Chemistry, 2019, 40, 14-28.	1.5	8
7	Quantum chemical exploration of formaldehyde clusters (H₂CO)_n (nâ€‰=â€‰2â€“4). Journal of Computational Chemistry, 2018, 39, 1498-1507.	1.5	11
8	The 2:1 charge-transfer complex of 4,6-dimethyldibenzothiophene and 7,7,8,8-tetracyano-2,3,5,6-tetrafluoroquinodimethane. IUCrData, 2018, 3, .	0.1	1
9	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.	2.0	0
10	An Automated Exploration of Hexagonal Boron Nitride Structures by Using Quantum Chemical Calculations. Chemistry Letters, 2016, 45, 333-335.	0.7	2
11	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.	3.7	17
12	Isomers of Benzene on Its Global Network of Reaction Pathways. Bulletin of the Chemical Society of Japan, 2015, 88, 1284-1290.	2.0	9
13	Theoretical studies on a carbonaceous molecular bearing: association thermodynamics and dual-mode rolling dynamics. Chemical Science, 2015, 6, 2746-2753.	3.7	56
14	Wavy carbon: A new series of carbon structures explored by quantum chemical calculations. Chemical Physics Letters, 2015, 639, 178-182.	1.2	12
15	A quantum chemical study of novel carbon structures: Prism carbon tubes. Chemical Physics Letters, 2015, 635, 180-184.	1.2	11
16	Exploration of Isomers of Benzene by GRRM/SCC-DFTB. Chemistry Letters, 2014, 43, 702-704.	0.7	11
17	Organic fieldâ€effect transistors fabricated by solution process using TMTSFâ€TCNQ complex crystals grown at various temperatures. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1636-1639.	0.8	1
18	Preparation and properties of two-legged ladder polymers based on polydiacetylenes. Journal of Materials Chemistry, 2012, 22, 115-122.	6.7	35

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19	Ultra-thin films of polysilsesquioxanes possessing 3-methacryloxypropyl groups as gate insulator for organic field-effect transistors. Thin Solid Films, 2012, 520, 7195-7199.	0.8	7
20	Contact and channel resistances of organic field-effect transistors based on benzodithiophene-dimer films deposited on pentacene crystallinity control layers. Applied Physics Letters, 2009, 95, 263307.	1.5	9
21	Theoretical Study for the Site Exchange Mechanism of Anionic 5-Coordinate Pt(II) Complexes with Halide, [PtX(hfac)2]- (X=Cl,Br,I, hfac=hexafluoroacetylacetonate).. Journal of Computer Chemistry Japan, 2002, 1, 97-102.	0.0	6
22	A highly sensitive electron spectrometer for crossed-beam collisional ionization: A retarding-type magnetic bottle analyzer and its application to collision-energy resolved Penning ionization electron spectroscopy. Review of Scientific Instruments, 2000, 71, 3042-3049.	0.6	31
23	Observation of collisional ionization electron spectra of van der Waals clusters with metastable He*(2â€Š3S) atoms: An evidence for autoionization from superexcited Ar clusters. Journal of Chemical Physics, 2000, 112, 7062-7067.	1.2	11
24	Collision energy resolved Penning ionization electron spectra of polycyclic aromatic hydrocarbons. Journal of Electron Spectroscopy and Related Phenomena, 1998, 88-91, 155-161.	0.8	30
25	Effect of HOMO Levels on Chemiionization of Substituted Ethylenes by Metastable Helium Atoms. Chemistry Letters, 1997, 26, 269-270.	0.7	12
26	Penning Ionization of Cyclic Ethers by Collision with He*(23S) Metastable Atoms. Journal of Physical Chemistry A, 1997, 101, 6184-6194.	1.1	22
27	Penning Ionization of CH3SCH3, CH3SSCH3, and CH3CH2SH by Collision with He*(23S) Metastable Atoms. Journal of Physical Chemistry A, 1997, 101, 3284-3292.	1.1	25
28	Penning Ionization of Cyclopropanes by Collision with He*(23S) Metastable Atoms. Journal of Physical Chemistry A, 1997, 101, 3887-3894.	1.1	15
29	Collision-Energy-Resolved Penning Ionization Electron Spectroscopy of Nitriles:â€‰ Conjugation Effects on Interactions with He*(23S) Metastable Atoms. Journal of Physical Chemistry A, 1997, 101, 5038-5045.	1.1	60
30	Collisionâ€energy/electronâ€energy resolved twoâ€dimensional study of Penning ionization of Ar by He metastable atoms 23Sand 21S. Journal of Chemical Physics, 1996, 105, 7536-7542.	1.2	82
31	Penning Ionization of Thiophene, Furan, and Pyrrole by Collision with He*(23S) Metastable Atoms. The Journal of Physical Chemistry, 1996, 100, 8204-8211.	2.9	51
32	Ï€-d interaction in phthalocyanine conductors. Springer Proceedings in Physics, 1996, , 203-216.	0.1	3
33	Penning Ionization of Dichloroethylenes by Collision with He*(23S) Metastable Atoms. The Journal of Physical Chemistry, 1995, 99, 9687-9693.	2.9	23
34	Penning Ionization of CH3CN and CH3NC by Collision with He(23S) Metastable Atoms. The Journal of Physical Chemistry, 1995, 99, 14678-14685.	2.9	31
35	Penning Ionization of CH3OH, (CH3)2O, and (CH3CH2)2O by Collision with He(23S) Metastable Atoms. The Journal of Physical Chemistry, 1995, 99, 17093-17099.	2.9	36
36	Penning Ionization of HCHO, CH2CH2, and CH2CHCHO by Collision with He(23S) Metastable Atoms. The Journal of Physical Chemistry, 1995, 99, 14247-14253.	2.9	73

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37	Metal-semiconductor transition and structural change in (BEDT-TTF)3(ClO4)2. Physical Review B, 1994, 50, 16287-16294.	1.1	15
38	Structure and solid-state properties of the stable ring-oxidized conductor CoPc(AsF6)0.5: interaction between ring Ï€-electrons and cobalt d-electrons. Synthetic Metals, 1994, 62, 169-178.	2.1	22
39	Structure and solid state properties of the conductive salt of (phthalocyaninato)cobalt, CoPc(AsF6)0.5. Synthetic Metals, 1993, 56, 1699-1704.	2.1	3
40	Penning ionization of thiocyanatomethane, isocyanatomethane, and isothiocyanatomethane by collision with helium*(23S) metastable atoms. The Journal of Physical Chemistry, 1993, 97, 12718-12724.	2.9	25
41	d-Ï€ interaction in conducting phthalocyaninatocobalt hexafluoroarsenate, CoPc(AsF6)0.5. Solid State Communications, 1991, 78, 919-923.	0.9	23
42	Polarized reflectance spectra of single crystals of the phthalocyanine radicals NiPc(AsF6)0.5, H2Pc(AsF6)0.67, and LiPc. The Journal of Physical Chemistry, 1991, 95, 7636-7641.	2.9	44
43	High-Pressure Optical Study of Partially Oxidized Metallophthalocyanines and Metallotetrabenzo-Porphyrins. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1990, 181, 243-252.	0.3	5
44	Microwave Conductivity of the Phthalocyanine and Dicyanoquinonediimine Salts. Springer Proceedings in Physics, 1990, , 311-314.	0.1	1
45	Optical Spectra of Highly Conducting Phthalocyanine Salts. Springer Proceedings in Physics, 1990, , 54-57.	0.1	0
46	Photoelectron spectra of metallic conducting Pt-phthalocyanine radical salts. Synthetic Metals, 1989, 32, 301-308.	2.1	18
47	Preparation and characterization of the cation radical salts of phthalocyanine and tetrabenzoporphyrin. Synthetic Metals, 1989, 29, 95-102.	2.1	11
48	Preparation, Crystal Structure, and Solid State Properties of Highly Conductive (Phthalocyaninato)platinum Radical Salts: PtPc(ClO4)0.5and PtPc(AsF6)x. Bulletin of the Chemical Society of Japan, 1989, 62, 2267-2272.	2.0	29
49	Electrochemical Preparation and Characterization of the Radical Salts of (Phthalocyaninato)nickel, NiPc(SbF6)0.5, and NiPc(AsF6)0.5. Bulletin of the Chemical Society of Japan, 1989, 62, 687-696.	2.0	42