

Hideo Yamakado

List of Publications by Year in descending order

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papers

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573
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Collision-energy/electron-energy resolved two-dimensional study of Penning ionization of Ar by He metastable atoms $23S$ and $21S$. <i>Journal of Chemical Physics</i> , 1996, 105, 7536-7542. | 1.2 | 82 |
| 2 | Penning Ionization of HCHO, CH ₂ CH ₂ , and CH ₂ CHCHO by Collision with He($23S$) Metastable Atoms. <i>The Journal of Physical Chemistry</i> , 1995, 99, 14247-14253. | 2.9 | 73 |
| 3 | Collision-Energy-Resolved Penning Ionization Electron Spectroscopy of Nitriles: Conjugation Effects on Interactions with He*($23S$) Metastable Atoms. <i>Journal of Physical Chemistry A</i> , 1997, 101, 5038-5045. | 1.1 | 60 |
| 4 | Theoretical studies on a carbonaceous molecular bearing: association thermodynamics and dual-mode rolling dynamics. <i>Chemical Science</i> , 2015, 6, 2746-2753. | 3.7 | 56 |
| 5 | Penning Ionization of Thiophene, Furan, and Pyrrole by Collision with He*($23S$) Metastable Atoms. <i>The Journal of Physical Chemistry</i> , 1996, 100, 8204-8211. | 2.9 | 51 |
| 6 | Polarized reflectance spectra of single crystals of the phthalocyanine radicals NiPc(AsF ₆) _{0.5} , H ₂ Pc(AsF ₆) _{0.67} , and LiPc. <i>The Journal of Physical Chemistry</i> , 1991, 95, 7636-7641. | 2.9 | 44 |
| 7 | Electrochemical Preparation and Characterization of the Radical Salts of (Phthalocyaninato)nickel, NiPc(SbF ₆) _{0.5} , and NiPc(AsF ₆) _{0.5} . <i>Bulletin of the Chemical Society of Japan</i> , 1989, 62, 687-696. | 2.0 | 42 |
| 8 | Penning Ionization of CH ₃ OH, (CH ₃) ₂ O, and (CH ₃ CH ₂) ₂ O by Collision with He($23S$) Metastable Atoms. <i>The Journal of Physical Chemistry</i> , 1995, 99, 17093-17099. | 2.9 | 36 |
| 9 | Preparation and properties of two-legged ladder polymers based on polydiacetylenes. <i>Journal of Materials Chemistry</i> , 2012, 22, 115-122. | 6.7 | 35 |
| 10 | Penning Ionization of CH ₃ CN and CH ₃ NC by Collision with He($23S$) Metastable Atoms. <i>The Journal of Physical Chemistry</i> , 1995, 99, 14678-14685. | 2.9 | 31 |
| 11 | 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. <i>Review of Scientific Instruments</i> , 2000, 71, 3042-3049. | 0.6 | 31 |
| 12 | Collision energy resolved Penning ionization electron spectra of polycyclic aromatic hydrocarbons. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1998, 88-91, 155-161. | 0.8 | 30 |
| 13 | Preparation, Crystal Structure, and Solid State Properties of Highly Conductive (Phthalocyaninato)platinum Radical Salts: PtPc(ClO ₄) _{0.5} and PtPc(AsF ₆) _x . <i>Bulletin of the Chemical Society of Japan</i> , 1989, 62, 2267-2272. | 2.0 | 29 |
| 14 | Penning ionization of thiocyanatomethane, isocyanatomethane, and isothiocyanatomethane by collision with helium*($23S$) metastable atoms. <i>The Journal of Physical Chemistry</i> , 1993, 97, 12718-12724. | 2.9 | 25 |
| 15 | Penning Ionization of CH ₃ SCH ₃ , CH ₃ SSCH ₃ , and CH ₃ CH ₂ SH by Collision with He*($23S$) Metastable Atoms. <i>Journal of Physical Chemistry A</i> , 1997, 101, 3284-3292. | 1.1 | 25 |
| 16 | d- π interaction in conducting phthalocyaninatocobalt hexafluoroarsenate, CoPc(AsF ₆) _{0.5} . <i>Solid State Communications</i> , 1991, 78, 919-923. | 0.9 | 23 |
| 17 | Penning Ionization of Dichloroethylenes by Collision with He*($23S$) Metastable Atoms. <i>The Journal of Physical Chemistry</i> , 1995, 99, 9687-9693. | 2.9 | 23 |
| 18 | Structure and solid-state properties of the stable ring-oxidized conductor CoPc(AsF ₆) _{0.5} : interaction between ring π -electrons and cobalt d-electrons. <i>Synthetic Metals</i> , 1994, 62, 169-178. | 2.1 | 22 |

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|----|--|-----|-----------|
| 19 | Penning Ionization of Cyclic Ethers by Collision with He*(23S) Metastable Atoms. Journal of Physical Chemistry A, 1997, 101, 6184-6194. | 1.1 | 22 |
| 20 | Photoelectron spectra of metallic conducting Pt-phthalocyanine radical salts. Synthetic Metals, 1989, 32, 301-308. | 2.1 | 18 |
| 21 | Reply to the "Comment on "Theoretical studies on a carbonaceous molecular bearing: association thermodynamics and dual-mode rolling dynamics" by E. M. Cabaleiro-Lago, J. Rodriguez-Otero and A. Gil, Chem. Sci., 2016, 7, 2929-2932. DOI: 10.1039/C5SC04676A. Chemical Science, 2016, 7, 2929-2932. | 3.7 | 17 |
| 22 | Metal-semiconductor transition and structural change in (BEDT-TTF)3(CIO4)2. Physical Review B, 1994, 50, 16287-16294. | 1.1 | 15 |
| 23 | Penning Ionization of Cyclopropanes by Collision with He*(23S) Metastable Atoms. Journal of Physical Chemistry A, 1997, 101, 3887-3894. | 1.1 | 15 |
| 24 | Effect of HOMO Levels on Chemiionization of Substituted Ethylenes by Metastable Helium Atoms. Chemistry Letters, 1997, 26, 269-270. | 0.7 | 12 |
| 25 | Wavy carbon: A new series of carbon structures explored by quantum chemical calculations. Chemical Physics Letters, 2015, 639, 178-182. | 1.2 | 12 |
| 26 | Preparation and characterization of the cation radical salts of phthalocyanine and tetrabenzoporphyrin. Synthetic Metals, 1989, 29, 95-102. | 2.1 | 11 |
| 27 | Observation of collisional ionization electron spectra of van der Waals clusters with metastable He*(2S) atoms: An evidence for autoionization from superexcited Ar clusters. Journal of Chemical Physics, 2000, 112, 7062-7067. | 1.2 | 11 |
| 28 | Exploration of Isomers of Benzene by GRRM/SCC-DFTB. Chemistry Letters, 2014, 43, 702-704. | 0.7 | 11 |
| 29 | A quantum chemical study of novel carbon structures: Prism carbon tubes. Chemical Physics Letters, 2015, 635, 180-184. | 1.2 | 11 |
| 30 | Quantum chemical exploration of formaldehyde clusters (H2CO)n ($n=2-4$). Journal of Computational Chemistry, 2018, 39, 1498-1507. | 1.5 | 11 |
| 31 | 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 |
| 32 | Isomers of Benzene on Its Global Network of Reaction Pathways. Bulletin of the Chemical Society of Japan, 2015, 88, 1284-1290. | 2.0 | 9 |
| 33 | Exploration of Carbon Allotropes with Four-membered Ring Structures on Quantum Chemical Potential Energy Surfaces. Journal of Computational Chemistry, 2019, 40, 14-28. | 1.5 | 8 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | 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 |
| 38 | Structure and solid state properties of the conductive salt of (phthalocyaninato)cobalt, CoPc(AsF ₆) _{0.5} . Synthetic Metals, 1993, 56, 1699-1704. | 2.1 | 3 |
| 39 | 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 |
| 40 | π-d interaction in phthalocyanine conductors. Springer Proceedings in Physics, 1996, , 203-216. | 0.1 | 3 |
| 41 | An Automated Exploration of Hexagonal Boron Nitride Structures by Using Quantum Chemical Calculations. Chemistry Letters, 2016, 45, 333-335. | 0.7 | 2 |
| 42 | Quantum Chemical Exploration of Intermolecular Reactions of Acetylene. Journal of Computational Chemistry, 2020, 41, 687-697. | 1.5 | 2 |
| 43 | Organic field-effect transistors fabricated by solution process using TMTSF-TCNQ complex crystals grown at various temperatures. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1636-1639. | 0.8 | 1 |
| 44 | 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 |
| 45 | 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 |
| 46 | Microwave Conductivity of the Phthalocyanine and Dicyanoquinonediimine Salts. Springer Proceedings in Physics, 1990, , 311-314. | 0.1 | 1 |
| 47 | 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 |
| 48 | Optical Spectra of Highly Conducting Phthalocyanine Salts. Springer Proceedings in Physics, 1990, , 54-57. | 0.1 | 0 |
| 49 | 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 |