

New Reconstruction of Platinum Silicide Surface  
A. Wawro, S. Suto and A. Kasuya  
Jpn. J. Appl. Phys. 45(3B) 2166–2169 2006 年

Diffusion and Clustering of Ag Atoms on a Si(111)–(7x7) Surface  
Jacek Osiecki, Hiroaki Kato, Atsuo Kasuya and Shozo Suto  
Jpn. J. Appl. Phys 45(3B) 2056–2058 2006 年

Vacancy Formation Energy at Metal–Silicon Interface Region  
M.Suezawa, K. Saitoh, K. Kojima and A. Kasuya  
Jap.J. Appl. Phys. 44(9) L593–L595 2005 年

Stoichiometric and ultra-stable nanoparticles of II–VI compound  
A. Kasuya, Y. Noda, I. Dmitrk, V. Romanyk, Y. Barnakov, K. Tohji, V. Kumar, R. Belosludov, Y. Kawazoe and N.Ohuchi  
European Phys. J., D 34 39–41 2005 年

Photoelectrochemical oxygen evolution using polysulfide as sacrificial electron acceptor  
Grzegorz Milczarek, Atsuo Kasuya, Kazuyuki Tohji Takeo Arai and Takashi Ito  
Solar Energy Materials & Solar Cells 86 43–52 2005 年

Fast Boron Diffusion in Si Crystal under Electron Irradiation at Room temperature  
M. Suezawa, K. Kojima and A. Kasuya  
Jap.J.Appl. Phys. 44 L275–L277 2005 年

STM Studies of PtSi Formation on Si(100) by Solid Epitaxy  
A. Wawro, S.Suto and A. Kasuya  
Phys. Rev. B 72 205302–205308 2005 年

Silica-coating of fluorescent polystyrene microspheres by a seeded polymerization technique and their photo-bleaching property  
Y. Kobayashi, K. Misawa, M. Kobayashi, M. Takeda, M. Konno, M. Satake, Y. Kawazoe, N. Ohuchi, A.Kasuya  
Colloids and Surfaces A 242 47–52 2004 年

Silica-coating of AgI semiconductor nanoparticles  
Y. Kobayashi, K. Misawa, M. Takeda, M. Kobayashi, M. Satake, Y. Kawazoe, N. Ohuchi, A. Kasuya and M. Konno  
Colloids and Surfaces A 251 197–201 2004 年

Insitu Raman Spectroelectrochemistry of Oxigen Species on Gold electrodes in High Temperature Molten Carbonate Melts  
T. Itoh, K. Abe, K. Dokko, M. Hohamed, I.Uchida and A. Kasuya  
J. The Electrochemical society 151 A2042–A2046 2004 年

HREELS, STM, and STS Study of CH<sub>3</sub>-terminated Si(111)–(1x1) Surface  
T. Yamada, M. Kawai, A. Wawro, S. Suto and A. Kasuya  
J. Chem. Phys 121 10660–10667 2004 年

Dielectric Function of (CdSe)<sub>13</sub> Clusters  
Y. Noguchi, K. Ohno., V. Kumar, Y. Kawazoe, Y. Barnakov and A. Kasuya  
Transactions of the Materials Research society of Japan 2004 3723–3725 2004 年

Electronic states of pyrene single crystal and of its single molecule inserted in a molecular vessel of cyclodextrin  
N. Takahashi, B. Gombojav, T. Yoshinari, S. Nagasaka, Y. Takahashi, A. Yamamoto, T. Goto and A. Kasuya  
J. Solid State Chemistry 177 3479–3483 2004 年

Electronic properties of radial single-walled carbon nanotubes  
Y. Saito, B. Jeyadevan, R. Hatakeyama, A. Kasuya and K. Tohji  
Chem. Phys. Lett 385 323–328 2004 年

Ultra-stable nanoparticles of CdSe revealed from mass spectrometry  
A. Kasuya, R. Sivamohan, Y. Barnakov, I. Dmitruk, T. Nirasa, V. Romanyuk, V. Kumar, S. Mamykin, K. Tohji, B. Jeyadevan, K. Shinoda, T. Kudo, O. Terasaki, Z. Liu, R. Belosludov, V. Sundararajan, an d Y. Kawazoe  
Nature Materials 3(2) 99–102 2004 年

Oxygen-Deficient anatase Precipitated from High-Temperature Plasma  
Y. Kato, H. Yokobayashi, A. Kasuya, M. Kagawa, and M. Kawasaki  
J. Ceram Soc 87 166–169 2004 年

Blue shift in ultraviolet absorption spectra of monodisperse  $\text{CeO}_{2-x}$  nanoparticles

KASUYA Atsuo

J. Appl. Phys. 87 1318–1321 2000 年

Ultraviolet Absorption spectra of  $\text{CeO}_2$  Nano-Particles

KASUYA Atsuo

Materials Science Forum 315–317 439–443 1999 年

Interaction of  $\text{C}_{60}$  with Si(111)7x7 and Si(100)2x1 Surfaces Studied by STM, PES and HREELS : Annealing Effect

KASUYA Atsuo

Surface Science 438 242–247 1999 年

Liquid chromatography used to size-separate the amphiphilic-molecules stabilized nano-particles of  $\text{CdS}$  in the 1–10 nm range

KASUYA Atsuo

Nanostructured Materials 12 89–94 1999 年

Extraction of Exotic Fullerenes and Purification of Single-Walled Nanotubes

KASUYA Atsuo

Fullerene Science and Technology 7(4) 663–679 1999 年

Adsorption and thermal reaction of  $\text{C}_{70}$  on Si(111)–(7x7) and Si(100)–(2x1) Surfaces : comparison with  $\text{C}_{60}$

KASUYA Atsuo

Applied Surface Science 144–145 653–656 1999 年

Pump-probe Measurement of  $\text{ZnO}$  Epitaxial Thin Films

KASUYA Atsuo

J. Korean Physical Society 34 S58–S60 1999 年

Optical absorption spectra of  $\text{Au}_2$  using the gas evaporation technique : 211–229 nm

KASUYA Atsuo

Molecular Physics 96,1, 143–145 1999 年

Direct Production of nearly monosize and monodispersed  $\text{CdS}$  with a size near 1 nm

KASUYA Atsuo

J. Electronic Materials 28 442–444 1999 年

$\text{SiC}$  Film formation and Growth by the Thermal Reaction of  $\text{C}_{60}$  Film adsorbed on Si(111)–7x7 Surface : Bonding

Natures of  $\text{C}_{60}$  Molecules and Surface Phonon of  $\text{SiC}$  Film

KASUYA Atsuo

Phys. Rev. B57 9003–9014 1998 年

Resonant Raman Scattering from single-wall Nanotubes of Diameters between 1.1 nm and 1.4 nm

KASUYA Atsuo

The Proceedings of the XIIth Int. Winterschool on Electronic Properties of Novel Materials –Progress in "Molecular Nanostructures–, Kirchberg/Tyrol, AIP conf. proc. 442 112–115 1998 年

Resonant Raman Scattering and the Zone-Folding Effects in Single-Wall Nanotubes

KASUYA Atsuo

The Proceedings of the XIIth Int. Winterschool on Electronic Properties of Novel Materials –Progress in "Molecular Nanostructures–, Kirchberg/Tyrol, AIP conf. proc. 442 107–111 1998 年

Ultraviolet Spectra of  $\text{CeO}_2$  Nano-Particles

KASUYA Atsuo

Proc. International Rare Earth Conference 439–445 1998 年

High yield of single-wall carbon nanotubes by arc discharge using Rh–Pt mixed catalysis

KASUYA Atsuo

Chemical Physics Letters 294 593–598 1998 年

Interaction of  $\text{C}_{60}$  with silicon dangling bonds on the Si(111)–(7x7) surface

KASUYA Atsuo

Surface Science 402 523–528 1998 年

Submonolayer–Deposition of Mass–Selected  $\text{Au}^+$  and  $\text{Au}_n^+$ ( $n=3$  and 7) on HOPG and Amorphous Carbon

KASUYA Atsuo

J. Cluster Science 9 123–130 1998 年

Preparation and Observation of CdS nanometer-particles incorporated in synthetic opals  
KASUYA Atsuo  
Supramolecular Science 5 235–238 1998 年

Extraction and Purification of Dimeric Fullerene Oxides:  
KASUYA Atsuo  
J. Chem. Phys. 102 5438–5443 1998 年

Chemical Reactions and Electronic Functions of Carbon Clusters Arrays Studied by Scanning Tunneling Spectroscopy and High Resolution Electron Energy Loss Spectroscopy  
KASUYA Atsuo  
Acta Physica Polonica 93 317–322 1998 年

Photon stimulated intermolecular interaction of solid C<sub>60</sub> and C<sub>84</sub>  
KASUYA Atsuo  
Applied Physics A66 S1–S3 1998 年

Resonance Ramen Scattering Diameter–Depended Electronic States in Single–Wall Carbon Nanotubes  
KASUYA Atsuo  
Chemical Physics Letters 292 575–579 1998 年

Resonant Raman scattering and the zone–folded electronic structure in single–wall nanotubes  
KASUYA Atsuo  
Physical Review B57 4999–5002 1998 年

A New Emission Spectrum of Au<sub>2</sub> in the Gas Evaporation Technique : 761–809 nm  
KASUYA Atsuo  
Japanese Journal of Applied Physics 37 349–350 1998 年

Field Emission Patterns from Single–Walled Carbon Nanotubes  
KASUYA Atsuo  
Japanese Journal of Applied Physics 36 L1340–L1342 1998 年

An Interpretation of the Correlation Between the Intensity of Scanning Tunneling Microscopy (STM) Induced Light Emission and the Topographic Height for the Metal Particles  
KASUYA Atsuo  
Japanese Journal of Applied Physics 36 L1545–L1547 1997 年

SiC film formation from C<sub>60</sub> monolayer on Si(111)7x7 and Si(100)2x1 surfaces studied by HREELS–STM  
KASUYA Atsuo  
Applied Surface Science 121/122/200–203 1997 年

Resonant excitation of visible photoluminescence from an erbium–oxide overlayer on Si  
KASUYA Atsuo  
Applied Physics Letters 2728–2830 1997 年

Vibrational properties and charge transfer of C<sub>60</sub> adsorbed on Si(111)–(7x7) and Si(100)–(2x1) surfaces  
KASUYA Atsuo  
Physical Review B15 7439–7455 1997 年

Conical beams from open nanotubes  
KASUYA Atsuo  
Nature 389 554–555 1997 年

Fabrication and optical properties of ultrathin CdSe filaments incorporated into the nanochannels of fibrous magnesium silicates  
KASUYA Atsuo  
Journal Physics Condens. Matter 9 5687–5695 1997 年

High Upconversion Intensity of Er<sup>3+</sup> in a LaF<sub>3</sub> Thin Film on CaF<sub>2</sub>(111) Grown by the Molecular Beam Epitaxy Method  
KASUYA Atsuo  
Japanese Journal Applied Physics 36 L41–L44 1997 年

The Quality of SiC film Formed by Thermal Reaction of C<sub>60</sub> Monolayer on Si(111)–(7x7) Surface  
KASUYA Atsuo  
Scienrific Report RITU A44 55–58 1997 年

Characterization of precious opals : AFM and SEM observations, photonic band gap, and incorporation of CdS nano-particles

KASUYA Atsuo

Microporous Materials 8 275–282 1997 年

Purification Procedure for Single-Walled Nanotubes

KASUYA Atsuo

The Journal of Physical Chemistry B,101 1974–1978 1997 年

Evidence for Size-Dependent Discrete Dispersions in Single-Wall Nanotubes

KASUYA Atsuo

Physical Review Letters 78 4434–4437 1997 年

Purification Procedure for Single-Walled Nanotubes

KASUYA Atsuo

The Journal of Physical Chemistry B 101 1974–1978 1997 年

Heteroepitaxial growth of metastable Er<sup>3+</sup> in a LaF<sub>3</sub> Thin Film on CaF<sub>2</sub>(111) by molecular beam epitaxy: a novel material for optical upconversion

KASUYA Atsuo

Journal of Crystal Growth 179 488–494 1997 年

Evidence for Size-Dependent Discrete Dispersion in Single-Wall Nanotubes

KASUYA Atsuo

Physical Review Letters 78 4434 1997 年

Ferroelastic Multidomains in LaNbO<sub>4</sub> Crystals

KASUYA Atsuo

Materials Trnas. JIM 37 650–654 1996 年

Isochromat photon map induced by scanning tunneling microscopy from gold particles

KASUYA Atsuo

Physical Review B54 13499–13501 1996 年

EXTRACTION OF EXOTIC FULLERENES (DIMER, EPOXIDES AND GIANT FULLERENES) USING A HYDROTHERMAL TREATMENT

KASUYA Atsuo

Fullerenes Recent Advances in the Chemistry and Physics III 72–83 1996 年

PURIFICATION OF SINGLE-WALL NANOTUBE USING HYDROTHERMAL TREATMENT

KASUYA Atsuo

Fullerenes Recent Advances in the Chemistry and Physics III 84–104 1996 年

Initial stage of C<sub>60</sub> film growth and reaction on Si(111)7x7 and graphite surfaces studied by HREELS-STM

KASUYA Atsuo

Thin Solid Films 281/282/,602–605 1996 年

Surface structure of 3C-SiC(111) fabricated by C<sub>60</sub> Precursor : A scanning tunneling microscopy and high-resolution electron energy loss spectroscopy study

KASUYA Atsuo

Journal of Vacuum Science & Technology B14 938–942 1996 年

Surface structure of 3C-SiC(111)grown on Si(111)surface by C<sub>60</sub> precursor

KASUYA Atsuo

Applied Physics Letters 68 1240–1244 1996 年

RAMAN SCATTERING FROM SINGLE-WALL MONO-SIZE CARBON NANOTUBES

KASUYA Atsuo

Proceedings of the Science and Technology of Atomically Engineered Materials 431–434 1996 年

FABRICATION AND MODIFICATION OF MICROCLUSTER LATTICE SYSTEM

KASUYA Atsuo

Proceedings of the Science and Technology of Atomically Engineered Materials 77–83 1996 年

Shape and size controls of micro-domains in LaNbO<sub>4</sub> crystals

KASUYA Atsuo

Materials Science and Engineering A217/218/,215–217 1996 年

The photoluminescence from ZnS/ZnSe/ZnS heterostructures  
KASUYA Atsuo  
Materials Science and Engineering A217/218/,189–192 1996 年

Raman and adsorption spectra of the zeolite A and X containing selenium and tellurium in the nanopores  
KASUYA Atsuo  
Materials Science and Engineering A217/218/,129–134 1996 年

Gold clusters deposited on highly oriented pyrolytic graphite by pulse laser ablation and liquid metal ion source  
KASUYA Atsuo  
Materials Science and Engineering A217/218/,103–107 1996 年

Measurements of photon intensity map for metal particles by scanning tunneling microscopy  
KASUYA Atsuo  
Materials Science and Engineering A217/218/,99–102 1996 年

Neutron irradiation on carbon nanocapsules  
KASUYA Atsuo  
Materials Science and Engineering A217/218/,50–53 1996 年

Size distribution and control of single-wall carbon nanotubes  
KASUYA Atsuo  
Materials Science and Engineering A217/218/,48–49 1996 年

Size dependent characteristics of single wall carbon nanotubes  
KASUYA Atsuo  
Materials Science and Engineering A217/218/,46–47 1996 年

Local structure and chemical reaction of C<sub>60</sub> films on Si(111)7x7 studied by HREELS-STM  
KASUYA Atsuo  
Materials Science and Engineering A217/218/,34–37 1996 年

Stability of S<sub>x</sub>Se<sub>y</sub> ring clusters studied by Raman scattering  
KASUYA Atsuo  
Materials Science and Engineering A217/218/,12–14 1996 年

Purifying Single-Wall Nanotubes  
KASUYA Atsuo  
Nature 383 676 1996 年

Scanning Tunneling Microscopy of Clusters Adsorbed on Superperiodic Lattice of Highly Oriented Pyrolytic Graphite  
KASUYA Atsuo  
Surface Review and Letters 3(1) 979 1996 年

Formation and Modification of Mesoscopic Structures on Graphite (HOPG) and Silicon Surface by Means of Scanning Tunneling Microscopy  
KASUYA Atsuo  
Surface Review and Letters 3(1) 961 1996 年

Vibrational Properties and Structure of C<sub>60</sub> Thin Films on Si(111)-(7x7) and Graphite Surface  
KASUYA Atsuo  
Surface Review and Letters 3(1) 927 1996 年

Surface Structure of 3C-Si(111) Fabricated by C<sub>60</sub> Precursor : A Scanning Tunneling Microscopy and High-Resolution Electron Energy Loss Spectroscopy Study  
KASUYA Atsuo  
Journal of Vacuum Science and Technology B14 938 1996 年

Surface Structure of 3C-SiC(111) grown on Si(111) Surface by C<sub>60</sub> Precursor  
KASUYA Atsuo  
Applied Physics Letter 68 1240 1996 年

Raman Scattering Study on a Pure C<sub>60</sub> film in Vacuum  
KASUYA Atsuo  
Japanese Journal of Applied Physics (34-1) 200 1995 年

Light Emission from C<sub>2</sub> Fragments Decomposed from C<sub>60</sub> during Laser Ablation  
KASUYA Atsuo  
Japanese Journal of Applied Physics (34-1) 264 1995 年

Au Clusters Deposited on Si(111) and Graphite Surfaces

KASUYA Atsuo

Surface and Coatings Technology (67) 173 1994 年

Manipulation of Rectangular Arrangement of Se-ring-type, Molecules on Graphite (highly oriented pyrolytic graphite) Surface

KASUYA Atsuo

Journal of Vacuum Science and Technology B12 1890 1994 年

Vibrational Modes of C<sub>60</sub> Fullerene Adsorbed on Si(100)2X1 Surface Studied by High-Resolution Electron-Energy-Loss Spectroscopy

KASUYA Atsuo

Scientific Report RITU A39 47 1993 年

Collision Enhanced Decomposition or Microclusters Ablated from Si Surface by Excimer Laser Irradiation

KASUYA Atsuo

Materials Research Society Symposia Proceedings 285 111 1993 年

Structure and Stability of Microcluster Lattice System

KASUYA Atsuo

Materials Science Engineering (B19) 44 1993 年

Ejection, Excitation, and Decomposition of Large Clusters, from the Surface of Group II, III and IV Elements by Excimer Laser Excitation

KASUYA Atsuo

Zeitschrift fur Physik D-Atoms, Molecular and Clusters (20) 137 1991 年