# Shinzo Suzuki

List of Publications by Year
in descending order

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Version: 2024-02-01

| 76 | 4,649 | 117625 | 95266 |
|---|---|---|---|
| papers | citations | 34 h-index | 68 g-index |

| 76 | 76 | 76 | 3232 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | NMR characterization of isomers of C78, C82 and C84 fullerenes. Nature, 1992, 357, 142-145. | 27.8 | 519 |
| 2 | Direct observation of Tomonagaâ€“Luttinger-liquid state in carbon nanotubes at low temperatures. Nature, 2003, 426, 540-544. | 27.8 | 459 |
| 3 | Ordered water inside carbon nanotubes: formation of pentagonal to octagonal ice-nanotubes. Chemical Physics Letters, 2005, 401, 534-538. | 2.6 | 273 |
| 4 | Electronic absorption spectra of the radical anions and cations of fullerenes: C60 and C70. Chemical Physics Letters, 1991, 180, 446-450. | 2.6 | 249 |
| 5 | Isolation and characterization of the metallofullerene LaC82. Chemical Physics Letters, 1993, 216, 67-71. | 2.6 | 226 |
| 6 | Phase Transition in Confined Water Inside Carbon Nanotubes. Journal of the Physical Society of Japan, 2002, 71, 2863-2866. | 1.6 | 219 |
| 7 | Water-filled single-wall carbon nanotubes as molecular nanovalves. Nature Materials, 2007, 6, 135-141. | 27.5 | 159 |
| 8 | Thermal expansion of single-walled carbon nanotube (SWNT) bundles: X-ray diffraction studies. Physical Review B, 2001, 64, . | 3.2 | 149 |
| 9 | Electrochemical properties of fullerenolanthanides. Tetrahedron, 1996, 52, 4973-4982. | 1.9 | 142 |
| 10 | ESR and optical studies of the radical anion of C60. Chemical Physics Letters, 1991, 186, 35-39. | 2.6 | 134 |
| 11 | Isomers and carbon-13 hyperfine structures of metal-encapsulated fullerenes M@C82 (M = Sc, Y, and) Tj ETQq1 1 0.784314 rgBT /Ov | 2.9 | 129 |
| 12 | Magnetic properties of TDAE-C60and TDAE-C70, where TDAE is tetrakis(dimethylamino)ethylene. Physical Review B, 1993, 47, 7554-7559. | 3.2 | 121 |
| 13 | Photoconductivity in Semiconducting Single-Walled Carbon Nanotubes. Japanese Journal of Applied Physics, 2001, 40, L1229-L1231. | 1.5 | 117 |
| 14 | Transient absorption, lifetime and relaxation of C60 in the triplet state. Chemical Physics Letters, 1991, 181, 100-104. | 2.6 | 116 |
| 15 | Structural transformation from single-wall to double-wall carbon nanotube bundles. Physical Review B, 2003, 68, . | 3.2 | 105 |
| 16 | Encapsulation of Radioactive 159Gd and 161Tb Atoms in Fullerene Cages. Journal of the American Chemical Society, 1994, 116, 9775-9776. | 13.7 | 99 |
| 17 | Separation, Detection, and UV/Visible Absorption Spectra of Fullerenes; C76, C78, and C84. Chemistry Letters, 1991, 20, 1607-1610. | 1.3 | 94 |
| 18 | Ultraviolet photoelectron spectra of C84 and KxC84. Chemical Physics Letters, 1992, 190, 169-173. | 2.6 | 71 |

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|---|---|---|---|
| 19 | ESR study of the electronic structures of metallofullerenes: a comparison between lanthanum fullerene (La@C82) and scandium fullerene (Sc@C82). The Journal of Physical Chemistry, 1993, 97, 13425-13428. | 2.9 | 70 |
| 20 | Electronic structure of alkali metal dopedC60derived from thermoelectric power measurements. Physical Review Letters, 1992, 69, 3797-3799. | 7.8 | 64 |
| 21 | Motion of Scandium Ions in Sc2C84Observed by45Sc Solution NMR. The Journal of Physical Chemistry, 1996, 100, 9579-9581. | 2.9 | 61 |
| 22 | 13C NMR study of Ca@C74: the cage structure and the site-hopping motion of a Ca atom inside the cage. Chemical Physics Letters, 2004, 399, 94-97. | 2.6 | 61 |
| 23 | Negativeâ€ion mass spectrometric study of ionâ€pair formation in the vacuum ultraviolet. III. SF6â†'Fâ^'+SF+5. Journal of Chemical Physics, 1990, 93, 8717-8724. | 3.0 | 51 |
| 24 | Heat capacity and orientational phase transition of solid C60 prepared with different solvents. Chemical Physics Letters, 1992, 196, 321-324. | 2.6 | 49 |
| 25 | Ultraviolet photoelectron spectra ofC82andKxC82. Physical Review B, 1993, 48, 8418-8423. | 3.2 | 48 |
| 26 | Ultraviolet photoelectron spectra of C76 and KxC76. Chemical Physics Letters, 1992, 197, 38-43. | 2.6 | 47 |
| 27 | Formation of Thin Single-Wall Carbon Nanotubes by Laser Vaporization of Rh/Pd-Graphite Composite Rod. Japanese Journal of Applied Physics, 1998, 37, L616-L618. | 1.5 | 45 |
| 28 | Towards the selective formation of specific isomers of fullerenes: T - and p -dependence in the yield of various isomers of fullerenes C 60 Â–C 84. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1997, 40, 414-417. | 1.0 | 44 |
| 29 | New Lanthanoid Metallofullerenes and their HPLC Elution Behavior. Fullerenes, Nanotubes, and Carbon Nanostructures, 1997, 5, 1435-1448. | 0.6 | 39 |
| 30 | Negativeâ€ion mass spectrometric study of ionâ€pair formation in the vacuum ultraviolet. II. OCSâ†'Sâ^'+CO+, Oâ^'+CS+, and CO2â†'Oâ^'+CO+. Journal of Chemical Physics, 1990, 93, 1710-1719. | 3.0 | 38 |
| 31 | C70Molecular Stumbling inside Single-Walled Carbon Nanotubes. Journal of the Physical Society of Japan, 2003, 72, 45-48. | 1.6 | 38 |
| 32 | Negativeâ€ion mass spectrometric study of ionâ€pair formation in the vacuum ultraviolet. V. CF4â†'Fâ^'+CF+3. Journal of Chemical Physics, 1991, 95, 2398-2406. | 3.0 | 35 |
| 33 | Observation of Metallic Conductivity and Sharp Superconducting Transition at 19 K in Potassium-Doped Fulleride, C60, Single Crystal. Chemistry Letters, 1991, 20, 1849-1852. | 1.3 | 35 |
| 34 | Negativeâ€ion mass spectrometric study of ion pair formation in the vacuum ultraviolet. I. N2Oâ†'Oâ^'+N+2. Journal of Chemical Physics, 1990, 92, 6556-6560. | 3.0 | 34 |
| 35 | Negativeâ€ion mass spectrometric study of ionâ€pair formation in the vacuum ultraviolet. VI. CH3Xâ†'Xâ^'+CH+3 (X=F, Cl, Br). Journal of Chemical Physics, 1992, 96, 7500-7505. | 3.0 | 34 |
| 36 | Solid C70: Anisotropic Molecular Rotation and Orientational Ordering Transition. Journal of the Physical Society of Japan, 1993, 62, 1131-1134. | 1.6 | 34 |

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| 37 | Electronic States and Superconductivity in Alkali-Intercalated Fullerides:13C-NMR Study in Na2RbC60, Na2CsC60, K3C60, K2RbC60, K2CsC60, KRbCsC60, Rb2CsC60and RbCs2C60. Journal of the Physical Society of Japan, 1994, 63, 1139-1148. | 1.6 | 33 |
| 38 | Negativeâ€ion mass spectrometric study of ionâ€pair formation in the vacuum ultraviolet. IV. CH4â†'Hâ^'+CH+3 and CD4â†'Dâ^'+CD+3. Journal of Chemical Physics, 1991, 94, 6003-6006. | 3.0 | 27 |
| 39 | State selected ionâ€"molecule reactions by a coincidence technique. XV. Hydrogen atom abstraction as an electron jump followed by proton transfer in the ND+3 (v)+NH3 and NH+3 (v)+ND3 reactions. Journal of Chemical Physics, 1988, 89, 7268-7276. | 3.0 | 25 |
| 40 | Visible, UV, and VUV Absorption Spectra of C60Thin Films Grown by the Molecular-Beam Epitaxy (MBE) Technique. Chemistry Letters, 1991, 20, 1233-1236. | 1.3 | 25 |
| 41 | Fourier transform EPR studies of metallofullerene (La@C82) in CS2 solution. Chemical Physics Letters, 1995, 235, 564-569. | 2.6 | 23 |
| 42 | 13C-NMR in Iodine and Potassium Intercalated C60Solid. Journal of the Physical Society of Japan, 1992, 61, 2212-2215. | 1.6 | 22 |
| 43 | Magnetic properties of higher fullerides TDAE-C84, -C90 and -C96. Solid State Communications, 1993, 85, 69-72. | 1.9 | 22 |
| 44 | State-selected charge-transfer and rearrangement reactions in four-atom ionâ€"molecule systems. Faraday Discussions of the Chemical Society, 1987, 84, 265-279. | 2.2 | 21 |
| 45 | Temperature dependence of photoconductivity at 0.7 eV in single-wall carbon nanotube films. Science and Technology of Advanced Materials, 2003, 4, 47-50. | 6.1 | 21 |
| 46 | Characterization of the lowest triplet states of linear form C2n+1 by anion photoelectron spectroscopy. Journal of Chemical Physics, 1999, 110, 3781-3784. | 3.0 | 20 |
| 47 | The Origin of the ESR Signal of C60Seen in the Powder and in Benzene Solution. The Indication of the Reaction of C60with Oxygen Induced by Photoexcitation. Chemistry Letters, 1992, 21, 1659-1662. | 1.3 | 18 |
| 48 | ESR detection of non-equivalent scandium trimer. Chemical Physics Letters, 1994, 229, 512-516. | 2.6 | 17 |
| 49 | Dissociation of State-Selected NO2+Ions Studied by Threshold Photoelectronâ^'Photoion Coincidence Techniquesâ€. Journal of Physical Chemistry A, 1997, 101, 685-689. | 2.5 | 16 |
| 50 | Investigation of fragmentation processes following core photoionization of organometallic molecules in the vapor phase. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1988, 266, 699-703. | 1.6 | 15 |
| 51 | Laser Ablation Mass Spectrometry of Pyrolyzed Koppers Coal-Tar Pitch:Â A Precursor for Fullerenes and Metallofullerenesâ€. Journal of Physical Chemistry B, 1999, 103, 9450-9458. | 2.6 | 14 |
| 52 | Local current density detection of individual single-wall carbon nanotubes in a bundle. Applied Physics Letters, 2002, 80, 1993-1995. | 3.3 | 14 |
| 53 | Rietveld Analysis and Maximum Entropy Method of Powder Diffraction for Bundles of Single-Walled Carbon Nanotubes. Journal of the Physical Society of Japan, 2005, 74, 2990-2995. | 1.6 | 13 |
| 54 | The study of the internal and collision energy dependence of the two microscopic reaction mechanisms in the ionâ€"molecule reactions MH++MHâ†'MH+2+M (MH=CH3F, CH3Cl, CH4). Journal of Chemical Physics, 1990, 93, 4102-4111. | 3.0 | 11 |

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| 55 | Molecular and intramolecular dynamics of aC80dimetallofullerene. Physical Review B, 1998, 58, 10850-10856. | 3.2 | 11 |
| 56 | Stability of Metallofullerene $f LaC_{82}$ on UV Light Irradiation. Japanese Journal of Applied Physics, 1994, 33, L1265-L1267. | 1.5 | 10 |
| 57 | Photoelectron spectroscopy study of MCnâ^' (M=Sc, Y, and La, 5â‰¤nâ‰¤20). Journal of Electron Spectroscopy and Related Phenomena, 2000, 112, 163-173. | 1.7 | 9 |
| 58 | The TEPSICO-II apparatus for use with UVSOR synchrotron radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1986, 246, 507-510. | 1.6 | 8 |
| 59 | Investigation of fragmentation processes following 3d core photoexcitation of trimethylgallium in the vapor phase. Review of Scientific Instruments, 1989, 60, 2201-2204. | 1.3 | 8 |
| 60 | FERROMAGNETIC TDAE-C60 VERSUS PARAMAGNETIC TDAE-C70: FARADEY BALANCE AND ESR STUDY. International Journal of Modern Physics B, 1992, 06, 3953-3958. | 2.0 | 7 |
| 61 | State-selected ion/molecule reactions by the TESICO technique. XIV. Separation of two microscopic reaction mechanisms in the reaction CH3Cl+ + CH3Cl â†' CH4Cl+ + CH2Cl. International Journal of Mass Spectrometry and Ion Processes, 1987, 80, 187-199. | 1.8 | 6 |
| 62 | Negative-ion mass spectrometric study of ion-pair formation in the vacuum ultraviolet. VIIâ€"SO2 â†' Oâ^' + SO+, Oâ^' + S+ + O. Organic Mass Spectrometry, 1993, 28, 335-339. | 1.3 | 6 |
| 63 | Photoemission spectroscopy on single-wall carbon nanotubes. Physica B: Condensed Matter, 2004, 351, 259-261. | 2.7 | 4 |
| 64 | Synthesis of single-walled carbon nanotubes using laser-vaporized metal nanoparticle catalyst. Journal of Mechanical Science and Technology, 2011, 25, 11-15. | 1.5 | 4 |
| 65 | Low Temperature Phase Transition in C70and Solvation Effects. Fullerenes, Nanotubes, and Carbon Nanostructures, 1994, 2, 121-127. | 0.6 | 3 |
| 66 | Hydrogen uptake effects on structures and solid state properties in K3C60. Synthetic Metals, 1994, 64, 329-333. | 3.9 | 3 |
| 67 | Structure and Stability of Large Carbon Clusters. Springer Series in Cluster Physics, 1999, , 379-388. | 0.3 | 2 |
| 68 | Performance of a dodecapole collision chamber for the study of ionâ€"molecule reactions using synchrotron radiation. Review of Scientific Instruments, 1989, 60, 2186-2189. | 1.3 | 1 |
| 69 | Novel Molecular System C60: Fullerites and Fullerides. Molecular Crystals and Liquid Crystals, 1992, 218, 297-298. | 0.3 | 1 |
| 70 | Time and space evolution of carbon species generated with a laser furnace technique. AIP Conference Proceedings, 2001, , . | 0.4 | 1 |
| 71 | Time and Space Evolution of Emitting Carbon Nanoparticles â€" Correlation with the Formation of Fullerenes and Carbon Nanotubes â€". Materials Research Society Symposia Proceedings, 2000, 633, 13311. | 0.1 | 0 |
| 72 | Effect of Temperature Gradient near the Target and Gas Flow Rate on the Diameter Distribution of Single-Walled Carbon Nanotubes Grown by the Laser Ablation Technique. Materials Research Society Symposia Proceedings, 2000, 633, 13301. | 0.1 | 0 |

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| 73 | The effect of solvent on electrical transport properties in single-wall carbon nanotubes. AIP Conference Proceedings, 2001, , . | 0.4 | 0 |
| 74 | Purification of Single-Walled Carbon Nanotubes Generated in Helium Ambient Gas Atmosphere with Arc-Burning Apparatus by Utilizing Mono-Dispersion Technique. Journal of Nanoscience and Nanotechnology, 2010, 10, 4060-4063. | 0.9 | 0 |
| 75 | Photoionization/fragmentation of endohedral fullerenes. , 1997, , 410-413. | | 0 |
| 76 | Preparation of SWCNT by Utilizing Porous Glass, and its Application. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2017, 68, 425-429. | 0.2 | 0 |