# Hidetsugu Shiozawa

List of Publications by Year
in descending order



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|---|---|---|---|
| 100 papers | 2,787 citations | 218677 26 h-index | 182427 51 g-index |
| 106 all docs | 106 docs citations | 106 times ranked | 3239 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Room temperature synthesis of a luminescent crystalline Cuâ€“BTC coordination polymer and metalâ€“organic framework. Materials Advances, 2022, 3, 224-231. | 5.4 | 9 |
| 2 | Synthesis and size-dependent spin crossover of coordination polymer [Fe(Htrz)2(trz)](BF4). Journal of Materials Chemistry C, 2021, 9, 1077-1084. | 5.5 | 12 |
| 3 | Crystal engineering with copper and melamine. RSC Advances, 2021, 11, 23943-23947. | 3.6 | 4 |
| 4 | Approaching the Shockleyâ€“Queisser limit for fill factors in leadâ€“tin mixed perovskite photovoltaics. Journal of Materials Chemistry A, 2020, 8, 693-705. | 10.3 | 33 |
| 5 | Hostâ€“Guest Interactions in Metalâ€“Organic Frameworks Doped with Acceptor Molecules as Revealed by Resonance Raman Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 24245-24250. | 3.1 | 22 |
| 6 | Reversible changes in the electronic structure of carbon nanotube-hybrids upon NO<sub>2</sub> exposure under ambient conditions. Journal of Materials Chemistry A, 2020, 8, 9753-9759. | 10.3 | 4 |
| 7 | Exchange coupling in a frustrated trimetric molecular magnet reversed by a 1D nano-confinement. Nanoscale, 2019, 11, 10615-10621. | 5.6 | 19 |
| 8 | Metalâ€“Organic Framework Co-MOF-74-Based Hostâ€“Guest Composites for Resistive Gas Sensing. ACS Applied Materials & Interfaces, 2019, 11, 14175-14181. | 8.0 | 93 |
| 9 | Near-field infrared microscopy of nanometer-sized nickel clusters inside single-walled carbon nanotubes. RSC Advances, 2019, 9, 34120-34124. | 3.6 | 3 |
| 10 | Chiral vector and metal catalyst-dependent growth kinetics of single-wall carbon nanotubes. Carbon, 2018, 133, 283-292. | 10.3 | 21 |
| 11 | Chirality-dependent growth of single-wall carbon nanotubes as revealed inside nano-test tubes. Nanoscale, 2017, 9, 7998-8006. | 5.6 | 29 |
| 12 | Doping of metalâ€“organic frameworks towards resistive sensing. Scientific Reports, 2017, 7, 2439. | 3.3 | 45 |
| 13 | Exploring the Formation of Black Phosphorus Intercalation Compounds with Alkali Metals. Angewandte Chemie, 2017, 129, 15469-15475. | 2.0 | 12 |
| 14 | Exploring the Formation of Black Phosphorus Intercalation Compounds with Alkali Metals. Angewandte Chemie - International Edition, 2017, 56, 15267-15273. | 13.8 | 69 |
| 15 | Microscale magnetic compasses. Journal of Applied Physics, 2017, 122, . | 2.5 | 0 |
| 16 | 10.1063/1.4985838.1. , 2017, , . | | 0 |
| 17 | Endohedrally Doped Carbon Nanotubes. , 2016, , 385-414. | | 1 |
| 18 | Growth dynamics of inner tubes inside cobaltocene-filled single-walled carbon nanotubes. Applied Physics A: Materials Science and Processing, 2016, 122, 1. | 2.3 | 10 |

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|---|---|---|---|
| 19 | Nickel clusters embedded in carbon nanotubes as high performance magnets. Scientific Reports, 2015, 5, 15033. | 3.3 | 23 |
| 20 | Temperature-dependent inner tube growth and electronic structure of nickelocene-filled single-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2015, 252, 2485-2490. | 1.5 | 15 |
| 21 | Tailoring the electronic properties of single-walled carbon nanotubes via filling with nickel acetylacetonate. Physica Status Solidi (B): Basic Research, 2015, 252, 2546-2550. | 1.5 | 6 |
| 22 | Doping of single-walled carbon nanotubes controlled via chemical transformation of encapsulated nickelocene. Nanoscale, 2015, 7, 1383-1391. | 5.6 | 60 |
| 23 | In situ Raman spectroscopy studies on timeâ€dependent inner tube growth in ferroceneâ€filled large diameter singleâ€walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2014, 251, 2394-2400. | 1.5 | 8 |
| 24 | Anisotropic Eliashberg function and electron-phonon coupling in doped graphene. Physical Review B, 2013, 88, . | 3.2 | 41 |
| 25 | Length scales in orientational order of vertically aligned single walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2013, 250, 2631-2634. | 1.5 | 2 |
| 26 | Internal charge transfer in metallicity sorted ferrocene filled carbon nanotube hybrids. Carbon, 2013, 59, 237-245. | 10.3 | 33 |
| 27 | Microscopic insight into the bilateral formation of carbon spirals from a symmetric iron core. Scientific Reports, 2013, 3, 1840. | 3.3 | 7 |
| 28 | Hybrid Carbon Nanotube Networks as Efficient Hole Extraction Layers for Organic Photovoltaics. ACS Nano, 2013, 7, 556-565. | 14.6 | 102 |
| 29 | Confined Crystals of the Smallest Phase-Change Material. Nano Letters, 2013, 13, 4020-4027. | 9.1 | 73 |
| 30 | Orbital and spin magnetic moments of transforming one-dimensional iron inside metallic and semiconducting carbon nanotubes. Physical Review B, 2013, 87, . | 3.2 | 23 |
| 31 | Environmental stability of ferrocene filled in purely metallic single-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2013, 250, 2599-2604. | 1.5 | 6 |
| 32 | Structural properties of mirrored carbon spirals as revealed by scanning electron microscopy and micro-Raman spectroscopy. Physica Status Solidi (B): Basic Research, 2013, 250, 2737-2740. | 1.5 | 0 |
| 33 | Inner tube growth properties and electronic structure of ferrocene-filled large diameter single-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2013, 250, 2575-2580. | 1.5 | 29 |
| 34 | Electronic structure of Eu atomic wires encapsulated inside single-wall carbon nanotubes. Physical Review B, 2012, 86, . | 3.2 | 29 |
| 35 | Orbital and spin magnetic moments of ferrocene encapsulated in metallicity sorted singleâ€walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2012, 249, 2424-2427. | 1.5 | 2 |
| 36 | In situ filling of metallic singleâ€walled carbon nanotubes with ferrocene molecules. Physica Status Solidi (B): Basic Research, 2012, 249, 2408-2411. | 1.5 | 18 |

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| 37 | The Effect of pH on the Functionalization of Nylon Fabric with Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2012, 12, 84-90. | 0.9 | 3 |
| 38 | Spontaneous Emergence of Long-Range Shape Symmetry. Nano Letters, 2011, 11, 160-163. | 9.1 | 7 |
| 39 | High resolution Xâ€ray absorption on metallicity selected C<sub>60</sub> peapods, singleâ€ and double walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2011, 248, 2544-2547. | 1.5 | 1 |
| 40 | Highly conductive nanoclustered carbon:nickel films grown by pulsed laser deposition. Carbon, 2011, 49, 3781-3788. | 10.3 | 14 |
| 41 | A Resonant Photoemission Insight to the Electronic Structure of Gd Nanowires Templated in the Hollow Core of SWCNTs. Materials Express, 2011, 1, 30-35. | 0.5 | 20 |
| 42 | Disentanglement of the unoccupied electronic structure in metallic and semiconductingC60peapods. Physical Review B, 2011, 83, . | 3.2 | 7 |
| 43 | Templating rare-earth hybridization via ultrahigh vacuum annealing of ErCl3nanowires inside carbon nanotubes. Physical Review B, 2011, 83, . | 3.2 | 29 |
| 44 | An X-ray absorption approach to mixed and metallicity-sorted single-walled carbon nanotubes. Journal of Materials Science, 2010, 45, 5318-5322. | 3.7 | 8 |
| 45 | Catalyst and Chirality Dependent Growth of Carbon Nanotubes Determined Through Nanoâ€Test Tube Chemistry. Advanced Materials, 2010, 22, 3685-3689. | 21.0 | 54 |
| 46 | Lowâ€temperature growth of singleâ€wall carbon nanotubes inside nano test tubes. Physica Status Solidi (B): Basic Research, 2010, 247, 2730-2733. | 1.5 | 9 |
| 47 | A combined photoemission and ab initio study of the electronic structure of (6,4)/(6,5) enriched single wall carbon nanotubes. Physica Status Solidi (B): Basic Research, 2010, 247, 2875-2879. | 1.5 | 3 |
| 48 | Insight to the valence band electronic structure of metallicity selected single wall carbon nanotubes from a photoemission viewpoint. Physica Status Solidi (B): Basic Research, 2010, 247, 2779-2783. | 1.5 | 0 |
| 49 | GeTe-filled Carbon Nanotubes for Data Storage Applications. Materials Research Society Symposia Proceedings, 2010, 1251, 3. | 0.1 | 1 |
| 50 | Observation of the Fermi surface, the band structure, and their diffraction replicas ofSr14â^'xCaxCu24O41by angle-resolved photoemission spectroscopy. Physical Review B, 2010, 81, . | 3.2 | 9 |
| 51 | Ethanol-Promoted Fabrication of Tungsten Oxide Nanobelts with Defined Crystal Orientation. Journal of Physical Chemistry C, 2010, 114, 10-14. | 3.1 | 20 |
| 52 | Combined experimental andab initiostudy of the electronic structure of narrow-diameter single-wall carbon nanotubes with predominant (6,4),(6,5) chirality. Physical Review B, 2010, 82, . | 3.2 | 19 |
| 53 | Disentanglement of the electronic properties of metallicity-selected single-walled carbon nanotubes. Physical Review B, 2009, 80, . | 3.2 | 73 |
| 54 | Screening the Missing Electron: Nanochemistry in Action. Physical Review Letters, 2009, 102, 046804. | 7.8 | 64 |

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| 55 | Substitutionally-Functionalized vs Metallicity-Selected Single-Walled Carbon Nanotubes: A High Energy Spectroscopy Viewpoint. Materials Research Society Symposia Proceedings, 2009, 1204, 1. | 0.1 | 0 |
| 56 | Electronic and optical properties of alkali metal doped carbon nanotubes. Physica Status Solidi (B): Basic Research, 2009, 246, 2693-2698. | 1.5 | 6 |
| 57 | Electronic properties of singleâ€walled carbon nanotubes encapsulating a cerium organometallic compound. Physica Status Solidi (B): Basic Research, 2009, 246, 2626-2630. | 1.5 | 15 |
| 58 | Potassium-intercalated single-wall carbon nanotube bundles: Archetypes for semiconductor/metal hybrid systems. Physical Review B, 2009, 79, . | 3.2 | 23 |
| 59 | From Stems (and Stars) to Roses: Shape-Controlled Synthesis of Zinc Oxide Crystals. Crystal Growth and Design, 2009, 9, 3432-3437. | 3.0 | 25 |
| 60 | Electronic structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CeCoIn</mml:mtext></mml:mrow><mml:mn>5</mml:mn></mml:msub></mml:mrow></mml:math>observed by angle-resolved photoemission spectroscopy. Physical Review B, 2009, 79, . | 3.2 | 38 |
| 61 | A detailed comparison of CVD grown and precursor based DWCNTs. Physica Status Solidi (B): Basic Research, 2008, 245, 1943-1946. | 1.5 | 10 |
| 62 | Photoemission study of electronic structures of fullerene and metallofullerene peapods. Physica Status Solidi (B): Basic Research, 2008, 245, 2025-2028. | 1.5 | 5 |
| 63 | Capillary filling of singleâ€walled carbon nanotubes with ferrocene in an organic solvent. Physica Status Solidi (B): Basic Research, 2008, 245, 1983-1985. | 1.5 | 15 |
| 64 | Bonding environment and electronic structure of Gd metallofullerene and Gd nanowire filled singleâ€wall carbon nanotubes. Physica Status Solidi (B): Basic Research, 2008, 245, 2038-2041. | 1.5 | 19 |
| 65 | A Catalytic Reaction Inside a Singleâ€Walled Carbon Nanotube. Advanced Materials, 2008, 20, 1443-1449. | 21.0 | 178 |
| 66 | Tight-binding description of the quasiparticle dispersion of graphite and few-layer graphene. Physical Review B, 2008, 78, . | 3.2 | 243 |
| 67 | Fine tuning the charge transfer in carbon nanotubes via the interconversion of encapsulated molecules. Physical Review B, 2008, 77, . | 3.2 | 79 |
| 68 | Hybridization effects in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Ce</mml:mi><mml:mi mathvariant="normal">Co</mml:mi><mml:msub><mml:mi mathvariant="normal">In</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:mrow></mml:math>observed by angle-resolved photoemission. Physical Review B, 2008, 77, . | 3.2 | 40 |
| 69 | Electron-Electron Correlation in Graphite: A Combined Angle-Resolved Photoemission and First-Principles Study. Physical Review Letters, 2008, 100, 037601. | 7.8 | 103 |
| 70 | Unraveling van Hove singularities in x-ray absorption response of single-wall carbon nanotubes. Physical Review B, 2007, 75, . | 3.2 | 58 |
| 71 | Revealing the Small-Bundle Internal Structure of Vertically Aligned Single-Walled Carbon Nanotube Filmsâ€. Journal of Physical Chemistry C, 2007, 111, 17861-17864. | 3.1 | 37 |
| 72 | Observing the heavy fermions in CeCoIn5 by angle-resolved photoemission. Physica C: Superconductivity and Its Applications, 2007, 460-462, 666-667. | 1.2 | 5 |

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| 73 | Low energy quasiparticle dispersion of graphite by angleâ€resolved photoemission spectroscopy. Physica Status Solidi (B): Basic Research, 2007, 244, 4129-4133. | 1.5 | 5 |
| 74 | Growth mechanisms of innerâ€shell tubes in doubleâ€wall carbon nanotubes. Physica Status Solidi (B): Basic Research, 2007, 244, 4097-4101. | 1.5 | 6 |
| 75 | Ferrocene encapsulated in singleâ€wall carbon nanotubes: a precursor to secondary tubes. Physica Status Solidi (B): Basic Research, 2007, 244, 4102-4105. | 1.5 | 23 |
| 76 | Anisotropy in the X-ray absorption of vertically aligned single wall carbon nanotubes. Physica Status Solidi (B): Basic Research, 2007, 244, 3978-3981. | 1.5 | 7 |
| 77 | Photoemission and inverse photoemission study of the electronic structure ofC60fullerenes encapsulated in single-walled carbon nanotubes. Physical Review B, 2006, 73, . | 3.2 | 45 |
| 78 | Filling factor and electronic structure ofDy3N@C80filled single-wall carbon nanotubes studied by photoemission spectroscopy. Physical Review B, 2006, 73, . | 3.2 | 24 |
| 79 | Charge distribution of potassium intercalated Dy3N@C80 observed with core-level and valence-band photoemission. Physica Status Solidi (B): Basic Research, 2006, 243, 3004-3007. | 1.5 | 7 |
| 80 | A photoemission study of the metallic ground state of potassium-doped C60 peapods. Physica Status Solidi (B): Basic Research, 2006, 243, 3013-3016. | 1.5 | 1 |
| 81 | High-resolution angle-resolved photoemission study of kish graphite. Physica B: Condensed Matter, 2006, 383, 150-151. | 2.7 | 2 |
| 82 | Resonant photoemission study of CeRu4Sb12. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 643-645. | 1.7 | 3 |
| 83 | Temperature dependence of magnetic circular dichroism of X-ray emission for rare-earth compounds. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 731-735. | 1.7 | 0 |
| 84 | Resonant inverse photoemission of Pr compounds. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 647-650. | 1.7 | 1 |
| 85 | Electronic structure of the trimetal nitride fullereneDy3N@C80. Physical Review B, 2005, 72, . | 3.2 | 31 |
| 86 | Influence of theC60filling on the nature of the metallic ground state in intercalated peapods. Physical Review B, 2005, 72, . | 3.2 | 20 |
| 87 | Photoemission spectroscopy on single-wall carbon nanotubes. Physica B: Condensed Matter, 2004, 351, 259-261. | 2.7 | 4 |
| 88 | Interpretation of difference between bulk magnetic susceptibility and â€œlocal magnetic susceptibilityâ€• detected by core excitation magnetic circular dichroism. Journal of Electron Spectroscopy and Related Phenomena, 2004, 136, 117-123. | 1.7 | 2 |
| 89 | Electronic Structure of Single-Wall Carbon Nanotubes and Peapods; Photoemission Study. AIP Conference Proceedings, 2004, , . | 0.4 | 2 |
| 90 | Measurements of temperature dependence of â€œlocalized susceptibilityâ€• Nuclear Instruments & Methods in Physics Research B, 2003, 199, 318-322. | 1.4 | 2 |

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| 91 | Measurement of the two-photon correlation of synchrotron radiation in the VUV region by a delay-time modulation technique. Journal of Synchrotron Radiation, 2003, 10, 303-309. | 2.4 | 3 |
| 92 | Direct observation of Tomonagaâ€“Luttinger-liquid state in carbon nanotubes at low temperatures. Nature, 2003, 426, 540-544. | 27.8 | 459 |
| 93 | Local Magnetic Susceptibility in Rare-Earth Compounds. Journal of the Physical Society of Japan, 2003, 72, 2079-2084. | 1.6 | 11 |
| 94 | Valence-Band Photoemission Study of Single-Wall Carbon Nanotubes. AIP Conference Proceedings, 2003, , . | 0.4 | 0 |
| 95 | MAGNETIC CIRCULAR DICHROISM OF 4dâ€“4f RESONANT X-RAY EMISSION FOR GADOLINIUM AND TERBIUM. Surface Review and Letters, 2002, 09, 837-841. | 1.1 | 2 |
| 96 | RESONANT PHOTOEMISSION STUDY OF RFe4P12 (R = La, Ce, Pr). Surface Review and Letters, 2002, 09, 1257-1261. | 1.1 | 9 |
| 97 | MEASUREMENT OF THE SECOND-ORDER COHERENCE OF SYNCHROTRON RADIATION IN THE VUV REGION. Surface Review and Letters, 2002, 09, 631-634. | 1.1 | 0 |
| 98 | Magnetic Circular Dichroism of X-Ray Emission for Gadolinium in 4dâ€“4f Excitation Region. Journal of the Physical Society of Japan, 2002, 71, 340-346. | 1.6 | 10 |
| 99 | Electron-beam diagnosis with Young's interferometer in soft X-ray region. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 455, 217-221. | 1.6 | 2 |
| 100 | Electrochromic 2,5â€Dihydroxyterephthalic Acid Linker in Metalâ^'Organic Frameworks. Advanced Photonics Research, 0, , 2100219. | 3.6 | 1 |