

# Tomoharu Tokunaga

## List of Publications by Year in descending order

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122  
papers

2,536  
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279701

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47  
g-index

123  
all docs

123  
docs citations

123  
times ranked

3225  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Atomic origins of the high catalytic activity of nanoporous gold. <i>Nature Materials</i> , 2012, 11, 775-780.   | 13.3 | 803       |
| 2  | Production of aluminum-matrix carbon nanotube composite using high pressure torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 490, 300-304. | 2.6  | 164       |
| 3  | Atomic Observation of Catalysis-Induced Nanopore Coarsening of Nanoporous Gold. <i>Nano Letters</i> , 2014, 14, 1172-1177.   | 4.5  | 109       |
| 4  | Microstructure and mechanical properties of aluminum–fullerene composite fabricated by high pressure torsion. <i>Scripta Materialia</i> , 2008, 58, 735-738.   | 2.6  | 78        |
| 5  | Synthesis of zirconium oxynitride in air under DC electric fields. <i>Applied Physics Letters</i> , 2016, 109, .   | 1.5  | 56        |
| 6  | Growth and structure analysis of tungsten oxide nanorods using environmental TEM. <i>Nanoscale Research Letters</i> , 2012, 7, 85.   | 3.1  | 43        |
| 7  | Formation of grain boundary second phase in BaTiO <sub>3</sub> polycrystal under a high DC electric field at elevated temperatures. <i>Journal of the Ceramic Society of Japan</i> , 2016, 124, 388-392.                 | 0.5  | 41        |
| 8  | Porous ZnV <sub>2</sub> O <sub>4</sub> Nanowire for Stable and High-Rate Lithium-Ion Battery Anodes. <i>ACS Applied Nano Materials</i> , 2019, 2, 4247-4256.   | 2.4  | 41        |
| 9  | Electric current–controlled synthesis of BaTiO <sub>3</sub> . <i>Journal of the American Ceramic Society</i> , 2017, 100, 3843-3850.   | 1.9  | 35        |
| 10 | Enhancement of sintering rates in BaTiO <sub>3</sub> by controlling of DC electric current. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 465-468.   | 0.5  | 34        |
| 11 | Fabrication and Characterization of Supersaturated Al-Mg Alloys by Severe Plastic Deformation and Their Mechanical Properties. <i>Materials Transactions</i> , 2009, 50, 76-81.  | 0.4  | 33        |
| 12 | Au/Cu Bimetallic Nanoparticles via Double-Target Sputtering onto a Liquid Polymer. <i>Langmuir</i> , 2017, 33, 12389-12397.  | 1.6  | 33        |
| 13 | Microstructural analysis of thermal degradation of palladium-coated niobium membrane. <i>Journal of Alloys and Compounds</i> , 2013, 573, 192-197.   | 2.8  | 32        |
| 14 | Water transport phenomena through membranes consisting of vertically-aligned double-walled carbon nanotube array. <i>Carbon</i> , 2017, 120, 358-365.  | 5.4  | 31        |
| 15 | Preparation of Au/Pd Bimetallic Nanoparticles by a Microwave-Induced Plasma in Liquid Process. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 279-285.   | 2.0  | 31        |
| 16 | Double target sputtering into liquid: A new approach for preparation of Ag–Au alloy nanoparticles. <i>Materials Letters</i> , 2016, 171, 75-78.  | 1.3  | 30        |
| 17 | Selective Reduction Mechanism of Graphene Oxide Driven by the Photon Mode <i>versus</i> the Thermal Mode. <i>ACS Nano</i> , 2019, 13, 10103-10112.   | 7.3  | 30        |
| 18 | Double-Wall TiO <sub>2</sub> Nanotube Arrays: Enhanced Photocatalytic Activity and <i>In Situ</i> TEM Observations at High Temperature. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 19924-19932.            | 4.0  | 28        |

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|----|--|-----|-----------|
| 19 | Topologically immobilized catalysis centre for long-term stable carbon dioxide reforming of methane. <i>Chemical Science</i> , 2019, 10, 3701-3705.  | 3.7 | 27        |
| 20 | Blue photo luminescence from 3â€%mol%Y <sub>2</sub> O <sub>3</sub> -doped ZrO <sub>2</sub> polycrystals sintered by flash sintering under an alternating current electric field. <i>Journal of the European Ceramic Society</i> , 2020, 40, 2072-2076. | 2.8 | 27        |
| 21 | Size-Tunable Alumina-Encapsulated Sn-Based Phase Change Materials for Thermal Energy Storage. <i>ACS Applied Nano Materials</i> , 2019, 2, 3752-3760.  | 2.4 | 26        |
| 22 | Synthesis and characterization of metal-filled carbon nanotubes by microwave plasma chemical vapor deposition. <i>Diamond and Related Materials</i> , 2005, 14, 790-793.   | 1.8 | 24        |
| 23 | Behavior of Cu nanoparticles ink under reductive calcination for fabrication of Cu conductive film. <i>Thin Solid Films</i> , 2012, 520, 2789-2793.  | 0.8 | 24        |
| 24 | One-Minute Joule Annealing Enhances the Thermoelectric Properties of Carbon Nanotube Yarns via the Formation of Graphene at the Interface. <i>ACS Applied Energy Materials</i> , 2019, 2, 7700-7708.   | 2.5 | 24        |
| 25 | Corn-shape carbon nanofibers with dense graphite synthesized by microwave plasma-enhanced chemical vapor deposition. <i>Applied Physics Letters</i> , 2004, 84, 2886-2888.   | 1.5 | 22        |
| 26 | Environment-Sensitive Thermal Coarsening of Nanoporous Gold. <i>Materials Transactions</i> , 2015, 56, 468-472.  | 0.4 | 22        |
| 27 | Consolidation of undoped, monoclinic zirconia polycrystals by flash sintering. <i>Journal of the American Ceramic Society</i> , 2017, 100, 3851-3857.  | 1.9 | 21        |
| 28 | Intergranular amorphous films formed by DC electric field in pure zirconia. <i>Journal of the American Ceramic Society</i> , 2018, 101, 3282-3287.   | 1.9 | 21        |
| 29 | Crystalline boron monosulfide nanosheets with tunable bandgaps. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24631-24640.  | 5.2 | 21        |
| 30 | Microstructure of metal-filled carbon nanotubes. <i>Journal of Electron Microscopy</i> , 2004, 53, 149-155.  | 0.9 | 20        |
| 31 | Plasma induced tungsten doping of TiO <sub>2</sub> particles for enhancement of photocatalysis under visible light. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24556-24559.  | 1.3 | 20        |
| 32 | Cobalt nanorods fully encapsulated in carbon nanotube and magnetization measurements by off-axis electron holography. <i>Applied Physics Letters</i> , 2006, 88, 243118.   | 1.5 | 19        |
| 33 | Suppression of nitridation of yttria-doped zirconia during flash sintering. <i>Journal of the American Ceramic Society</i> , 2020, 103, 3002-3007.   | 1.9 | 19        |
| 34 | Earthâ€Abundant and Durable Nanoporous Catalyst for Exhaustâ€Gas Conversion. <i>Advanced Functional Materials</i> , 2016, 26, 1609-1616.   | 7.8 | 18        |
| 35 | Nanophase-separated Ni <sub>3</sub> Nb as an automobile exhaust catalyst. <i>Chemical Science</i> , 2017, 8, 3374-3378.  | 3.7 | 18        |
| 36 | Formation of secondary phase at grain boundary of flash-sintered BaTiO <sub>3</sub> . <i>Microscopy (Oxford, England)</i> , 2014, 63, i19-i20.   | 0.7 | 17        |

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|----|--|-----|-----------|
| 37 | Near complete densification of flash sintered 8YSZ: controlled shrinkage rate effects. <i>Journal of the European Ceramic Society</i> , 2021, 41, 4567-4571.   | 2.8 | 17        |
| 38 | Matrix Sputtering into Liquid Mercaptan: From Blue-Emitting Copper Nanoclusters to Red-Emitting Copper Sulfide Nanoclusters. <i>Langmuir</i> , 2016, 32, 12159-12165.  | 1.6 | 16        |
| 39 | Highly Correlated Size and Composition of Pt/Au Alloy Nanoparticles via Magnetron Sputtering onto Liquid. <i>Langmuir</i> , 2020, 36, 3004-3015.   | 1.6 | 16        |
| 40 | Encapsulation of Co and Pd multi-metal nanowires inside multiwalled carbon nanotubes by microwave plasma chemical vapor deposition. <i>Diamond and Related Materials</i> , 2007, 16, 1200-1203.                      | 1.8 | 15        |
| 41 | Small Nanosized Oxygen-Deficient Tungsten Oxide Particles: Mechanistic Investigation with Controlled Plasma Generation in Water for Their Preparation. <i>ACS Omega</i> , 2017, 2, 5104-5110.                        | 1.6 | 15        |
| 42 | Preparation and Growth Mechanism of Pt/Cu Alloy Nanoparticles by Sputter Deposition onto a Liquid Polymer. <i>Langmuir</i> , 2019, 35, 8418-8427.  | 1.6 | 15        |
| 43 | Flash sintering for BaTiO <sub>3</sub> with square alternating current field including zero-field duration. <i>Journal of the Ceramic Society of Japan</i> , 2020, 128, 1018-1023.                                   | 0.5 | 15        |
| 44 | In-Situ TEM Study of a Nanoporous Ni-Co Catalyst Used for the Dry Reforming of Methane. <i>Metals</i> , 2017, 7, 406.  | 1.0 | 14        |
| 45 | A liquid metal catalyst for the conversion of ethanol into graphitic carbon layers under an ultrasonic cavitation field. <i>Chemical Communications</i> , 2022, 58, 7741-7744.                                       | 2.2 | 14        |
| 46 | In-situ TEM studies of the sintering behavior of copper nanoparticles covered by biopolymer nanoskin. <i>Journal of Electron Microscopy</i> , 2010, 59, S75-S80.   | 0.9 | 13        |
| 47 | Structural Control Parameters for Formation of Single-Crystalline $\beta$ -Sn Nanorods in Organic Phase. <i>Crystal Growth and Design</i> , 2017, 17, 4554-4562.   | 1.4 | 13        |
| 48 | Ligand free green plasma-in-liquid synthesis of Au/Ag alloy nanoparticles. <i>New Journal of Chemistry</i> , 2018, 42, 5680-5687.  | 1.4 | 13        |
| 49 | Temperature distributions of electron beam-irradiated samples by scanning electron microscopy. <i>Journal of Microscopy</i> , 2012, 248, 228-233.  | 0.8 | 12        |
| 50 | Green Synthesis of Size-Tunable Iron Oxides and Iron Nanoparticles in a Salt Matrix. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17697-17705.  | 3.2 | 12        |
| 51 | Shrinkage rate control during a flash state by current-ramping for 3 mol% Y <sub>2</sub> O <sub>3</sub> -doped ZrO <sub>2</sub> polycrystals. <i>Journal of the American Ceramic Society</i> , 2021, 104, 4960-4967. | 1.9 | 12        |
| 52 | Formation of wedge-shaped carbon film by chemical vapor deposition method and observation using transmission electron microscopy. <i>Scripta Materialia</i> , 2005, 52, 1205-1209.                                   | 2.6 | 11        |
| 53 | Encapsulation of segmented Pd-Co nanocomposites into vertically aligned carbon nanotubes by plasma-hydrogen-induced demixing. <i>Applied Physics Letters</i> , 2007, 90, 133116.                                     | 1.5 | 11        |
| 54 | Growth and Optical Properties of Rectangular Hollow Tube TiO <sub>2</sub> Crystals with Rutile-Type Structure. <i>Crystal Growth and Design</i> , 2011, 11, 4427-4432.   | 1.4 | 11        |

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|----|--|-----|-----------|
| 55 | Titanium oxide nanoparticle dispersions in a liquid monomer and solid polymer resins prepared by sputtering. <i>New Journal of Chemistry</i> , 2016, 40, 9337-9343.  | 1.4 | 11        |
| 56 | Rapid sintering of 3 mol % Y <sub>2</sub> O <sub>3</sub> -doped ZrO <sub>2</sub> by a combined rapid furnace heating and shrinkage-controlled flash sintering protocol. <i>Journal of the Ceramic Society of Japan</i> , 2021, 129, 551-554.   | 0.5 | 10        |
| 57 | Variation of photoluminescence intensity depending on the timing of electric field application during isothermal flash sintering for 3mol%Y <sub>2</sub> O <sub>3</sub> â€“ZrO <sub>2</sub> polycrystal. <i>Ceramics International</i> , 2022, 48, 28712-28717.  | 2.3 | 10        |
| 58 | Synthesis and characterization of carbon nanotube grown on flexible and conducting carbon fiber sheet for field emitter. <i>Diamond and Related Materials</i> , 2009, 18, 341-344.   | 1.8 | 9         |
| 59 | Direct observation of B-site ordering in LSAT: (La <sub>0.3</sub> Sr <sub>0.7</sub> )(Al <sub>0.65</sub> Ta <sub>0.35</sub> )O <sub>3</sub> single crystal. <i>Applied Physics Letters</i> , 2016, 108, 251905.  | 1.5 | 9         |
| 60 | Sputter Deposition toward Short Cationic Thiolated Fluorescent Gold Nanoclusters: Investigation of Their Unique Structural and Photophysical Characteristics Using High-Performance Liquid Chromatography. <i>Langmuir</i> , 2018, 34, 4024-4030.  | 1.6 | 9         |
| 61 | Nanoporous Nickel Composite Catalyst for the Dry Reforming of Methane. <i>ACS Omega</i> , 2018, 3, 16651-16657.  | 1.6 | 9         |
| 62 | Synthesis of composition-tunable Pdâ€“Cu alloy nanoparticles by double target sputtering. <i>New Journal of Chemistry</i> , 2020, 44, 4704-4712.   | 1.4 | 9         |
| 63 | Cross-sectional Area Dependency of Shrinkages and Grain Sizes of Flash-sintered 3 mol%Y <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> Polycrystals with a Circular Truncated Cone-shape at High Frequency Alternating Electric Current Fields. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2021, 68, 487-493. | 0.1 | 9         |
| 64 | Excess oxygen-vacancy formed by FAST regime of direct-current electric field during flash sintering for 3Åmol%â€“10Åmol% Y <sub>2</sub> O <sub>3</sub> -doped ZrO <sub>2</sub> . <i>Ceramics International</i> , 2022, 48, 12091-12097.  | 2.3 | 9         |
| 65 | Anelasticity induced by AC flash processing of cubic zirconia. <i>Acta Materialia</i> , 2022, 227, 117704.   | 3.8 | 9         |
| 66 | Hopping carrier mobilities and thermoelectric properties of oxide materials with perovskite-related structure. , O, , .  |     | 8         |
| 67 | Microstructure Analyses of Metal-Filled Carbon Nanotubes Synthesized by Microwave Plasma-Enhanced Chemical Vapor Deposition. <i>IEEE Nanotechnology Magazine</i> , 2006, 5, 485-490.   | 1.1 | 8         |
| 68 | surfaces. <i>Surface Science</i> , 2006, 600, 4077-4080.   | 0.8 | 7         |
| 69 | Oxidation kinetics of single crystal silicon carbide using electron microscopy. <i>Journal of the Ceramic Society of Japan</i> , 2012, 120, 181-185.   | 0.5 | 7         |
| 70 | Technique to control specimen electric current during a flash state with alternating current electric fields. <i>Journal of the Ceramic Society of Japan</i> , 2019, 127, 849-851.   | 0.5 | 7         |
| 71 | Hard-templating synthesis of macroporous platinum microballs (MPTM). <i>Materials Letters</i> , 2016, 164, 488-492.  | 1.3 | 6         |
| 72 | Synthesis of corn-shape carbon nanofibers on Si and Mo substrates by bias-enhanced microwave plasma chemical vapor deposition. <i>Diamond and Related Materials</i> , 2004, 13, 1198-1202.   | 1.8 | 5         |

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|----|---|-----|-----------|
| 73 | Demixing of Solid-Soluted Co-Pd Binary Alloy Induced by Microwave Plasma Hydrogen Irradiation Technique. Japanese Journal of Applied Physics, 2006, 45, L860-L863.  | 0.8 | 5         |
| 74 | Facile fabrication and structural studies of filtered Ge nanowires from aged Al-Ge alloy. Scripta Materialia, 2007, 57, 281-284.  | 2.6 | 5         |
| 75 | High temperature in-situ observations of multi-segmented metal nanowires encapsulated within carbon nanotubes by in-situ filling technique. Nanoscale Research Letters, 2012, 7, 448.   | 3.1 | 5         |
| 76 | Observation of Microstructural Changes in Polymer-Coated Kompeito-Type Platinum Particles by In Situ Heating TEM. Journal of Nanoscience and Nanotechnology, 2012, 12, 2612-2616.   | 0.9 | 5         |
| 77 | In Situ Transmission Electron Microscopic Observation of Double-wall TiO <sub>2</sub> Nanotube Arrays at High Temperature. Chemistry Letters, 2014, 43, 1514-1516.  | 0.7 | 5         |
| 78 | Methane decomposition for hydrogen production by catalytic activity of carbon black under low flow rate conditions. Journal of the Ceramic Society of Japan, 2017, 125, 185-189.  | 0.5 | 5         |
| 79 | Removal of carbon contamination in ETEM by introducing Ar during electron beam irradiation. Journal of Microscopy, 2019, 273, 46-52.  | 0.8 | 5         |
| 80 | Alginate-Stabilized Gold Nanoparticles Prepared Using the Microwave-Induced Plasma-in-Liquid Process with Long-Term Storage Stability for Potential Biomedical Applications. ACS Omega, 2022, 7, 6238-6247.                     | 1.6 | 5         |
| 81 | Characterization of transport properties of multiwalled carbon nanotube networks by microwave plasma chemical vapor deposition. Diamond and Related Materials, 2006, 15, 1138-1142.   | 1.8 | 4         |
| 82 | In situ observation of carbon nanotube yarn during voltage application. Micron, 2015, 74, 30-34.  | 1.1 | 4         |
| 83 | Directly determining the polarity of WC grains in WC-12 wt%Co alloy by ABF-STEM. International Journal of Refractory Metals and Hard Materials, 2017, 62, 9-13.   | 1.7 | 4         |
| 84 | Power Dissipation Behaviors during SCF-sintering for 8 mol% Y <sub>2</sub> O <sub>3</sub> -doped ZrO <sub>2</sub> . Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2021, 68, 482-486. | 0.1 | 4         |
| 85 | Growth and Nanoscale Magnetic Properties of Ferromagnetic Nanowire Encapsulated Inside Carbon Nanotubes. IEEE Transactions on Magnetics, 2009, 45, 2488-2491.   | 1.2 | 3         |
| 86 | Characterization of oxide scales thermally formed on single-crystal silicon carbide. Journal of Electron Microscopy, 2010, 59, S123-S127.   | 0.9 | 3         |
| 87 | A method for accurate temperature measurement using infrared thermal camera. Journal of Electron Microscopy, 2012, 61, 223-227.   | 0.9 | 3         |
| 88 | Characterization of microstructures of thermal oxide scales on silicon carbide using transmission electron microscopy. Journal of the Ceramic Society of Japan, 2012, 120, 64-68.   | 0.5 | 3         |
| 89 | Blue photoluminescence at room temperature from Y <sub>2</sub> O <sub>3</sub> -doped ZrO <sub>2</sub> polycrystals sintered by flash sintering. Applied Physics Express, 2020, 13, 035506.                                      | 1.1 | 3         |
| 90 | Low-Temperature Fabrication of Ion-Induced Ge Nanostructures: Effect of Simultaneous Al Supply. IEICE Transactions on Electronics, 2009, E92-C, 1417-1420.  | 0.3 | 3         |

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|-----|---|-----|-----------|
| 91  | Microstructure and local magnetic induction of segmented and alloyed Pd/Co nanocomposites encapsulated inside vertically aligned multiwalled carbon nanotubes. <i>Diamond and Related Materials</i> , 2008, 17, 1525-1528.  | 1.8 | 2         |
| 92  | Low-Temperature Fabrication of Germanium Nanostructures by Ion Irradiation: Effect of Supplied Particle Species. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 01AB05.   | 0.8 | 2         |
| 93  | Microstructure Characterization of Defects in Cubic Silicon Carbide Using Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2013, 19, 119-122.  | 0.2 | 2         |
| 94  | Improved properties of Carbon nanotube yarn spun from dense and long carbon nanotube forest. , 2015, , .  |     | 2         |
| 95  | H <sub>2</sub> production from methane decomposition by fullerene at low temperature. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 14347-14353.  | 3.8 | 2         |
| 96  | Constant shrinkage rate control during a flash event for 8 mol %Y<sub>2</sub>O<sub>3</sub>-doped ZrO<sub>2</sub> polycrystals. <i>Journal of the Ceramic Society of Japan</i> , 2021, 129, 204-207.   | 0.5 | 2         |
| 97  | In situ TEM observation of liquid-state Sn nanoparticles vanishing in a SiO <sub>2</sub> structure: a potential synthetic tool for controllable morphology evolution from core-shell to yolk-shell and hollow structures. <i>Nanoscale Advances</i> , 2020, 2, 1456-1464. | 2.2 | 2         |
| 98  | Stacking Faults around the Hetero-Interface Induced by 6H-SiC Polytype Transformation on 3C-SiC with Solution Growth. <i>Materials Science Forum</i> , 0, 645-648, 363-366.   | 0.3 | 1         |
| 99  | Direct growth of horizontally aligned carbon nanotubes between electrodes and its application to field-effect transistors. , 2010, , .  |     | 1         |
| 100 | Growth and structure analysis of tungsten oxide nanorods using environmental transmission electron microscopy. , 2011, , .  |     | 1         |
| 101 | In-situ TEM observation of internal metal inside metal filled carbon fiber. <i>Diamond and Related Materials</i> , 2011, 20, 210-212.   | 1.8 | 1         |
| 102 | Direct Growth of Horizontally Aligned Carbon Nanotubes between Electrodes and Its Application to Field-Effect Transistors. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 11011-11014.  | 0.9 | 1         |
| 103 | Fabrication of Ge nanoneedles by ion-irradiation method. <i>Surface and Coatings Technology</i> , 2011, 206, 812-815.   | 2.2 | 1         |
| 104 | Fabrication of tin-filled carbon nanofibres by microwave plasma vapour deposition and their in situ heating observation by environmental transmission electron microscopy. <i>Nanoscale Research Letters</i> , 2013, 8, 302.  | 3.1 | 1         |
| 105 | Growth of rectangular hollow tube crystals with rutile-type structure in supercritical fluids. <i>Journal of Physics: Conference Series</i> , 2014, 500, 022007.  | 0.3 | 1         |
| 106 | Direct determination of a topmost atomic layer of (100) surfaces on (La 0.3 Sr 0.7)(Al 0.65 Ta 0.35)O <sub>3</sub> single crystals annealed in air by high-resolution scanning transmission electron microscopy. <i>Surface and Interface Analysis</i> , 0, , .           | 0.8 | 1         |
| 107 | Effect of electron beam irradiation in gas atmosphere during ETEM. <i>Micron</i> , 2022, 158, 103289.   | 1.1 | 1         |
| 108 | Ion Implantation Effects of Microcrystalline and Nanocrystalline Diamond Thin Films. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 7971-7975.  | 0.8 | 0         |

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|-----|--|-----|-----------|
| 109 | Microstructure analyses of metal-filled carbon nanotubes synthesized by microwave plasma-enhanced chemical vapour deposition. , 0, , .   |     | 0         |
| 110 | Growth and magnetic properties of ferromagnetic Co nanorods filled inside carbon nanotubes towards nanoscale spintronics. , 2008, , .  |     | 0         |
| 111 | Low-temperature fabrication and characterization of ion-induced Ge nanostructures. , 2010, , .   |     | 0         |
| 112 | Microstructural Characterization of Epitaxial Cubic Silicon Carbide Using Transmission Electron Microscopy. Materials Science Forum, 0, 645-648, 379-382.  | 0.3 | 0         |
| 113 | Growth and structure analysis of Tungsten oxide nanorods using Environmental TEM. , 2010, , .  |     | 0         |
| 114 | The growth and characterization of Zn nanowires covered with ZnO using plasma-assisted molecular beam irradiation. , 2011, , .   |     | 0         |
| 115 | Transmission Electron Microscopy Observation of Nickel-Yttria Stabilized Zirconia Catalyst for Solid Oxide Fuel Cells in Methane Atmosphere. ECS Transactions, 2013, 57, 1455-1462.  | 0.3 | 0         |
| 116 | Fabrication of metal nanoparticles from metal-filled carbon nanofibers and their size control by heating. , 2013, , .  |     | 0         |
| 117 | Surface precipitates formed on annealed LSAT (001) single crystal. Microscopy (Oxford, England), 2014, 63, i20.1-i20.  | 0.7 | 0         |
| 118 | Intentionally encapsulated metal alloys within vertically aligned multi-walled carbon nanotube array via chemical vapor deposition technique. , 2017, , .  |     | 0         |
| 119 | Low-Temperature Fabrication of Germanium Nanostructures by Ion Irradiation: Effect of Supplied Particle Species. Japanese Journal of Applied Physics, 2012, 51, 01AB05.  | 0.8 | 0         |
| 120 | B-site Ordered Atomic Structure in LSAT: (La <sub>0.3</sub> Sr <sub>0.7</sub> )(Al <sub>0.65</sub> Ta <sub>0.35</sub> )O <sub>3</sub> Single Crystal. Materia Japan, 2019, 58, 93-93.  | 0.1 | 0         |
| 121 | Anisotropic Growth of Copper Nanorods Mediated by Cl <sup>-</sup> Ions. ACS Omega, 2022, 7, 7414-7420.   | 1.6 | 0         |
| 122 | A first attempt of automated shrinkage-rate control flash sintering using a current profile without feedback of shrinkage behavior for 8 mol %Y <sub>2</sub> O <sub>3</sub> -doped ZrO <sub>2</sub> . Journal of the Ceramic Society of Japan, 2022, 130, 327-330. | 0.5 | 0         |