# Seiichi Watanabe

List of Publications by Year
in descending order

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|---|---|---|---|
| 141 papers | 1,940 citations | 331670 21 h-index | 330143 37 g-index |
| 142 all docs | 142 docs citations | 142 times ranked | 1907 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | CoCrFeNiTi-based high-entropy alloy with superior tensile strength and corrosion resistance achieved by a combination of additive manufacturing using selective electron beam melting and solution treatment. Materials Letters, 2017, 189, 148-151. | 2.6 | 130 |
| 2 | Synergistic effect of helium and hydrogen for defect evolution under multi-ion irradiation of Feâ€“Cr ferritic alloys. Journal of Nuclear Materials, 2004, 329-333, 294-298. | 2.7 | 117 |
| 3 | Hidden amorphous phase and reentrant supercooled liquid in Pd-Ni-P metallic glasses. Nature Communications, 2017, 8, 14679. | 12.8 | 109 |
| 4 | Controlled formation of metallic nanoballs during plasma electrolysis. Applied Physics Letters, 2007, 91, . | 3.3 | 86 |
| 5 | Sink effect of grain boundary on radiation-induced segregation in austenitic stainless steel. Journal of Nuclear Materials, 2000, 283-287, 152-156. | 2.7 | 74 |
| 6 | Mechanical and corrosion properties of CoCrFeNiTi-based high-entropy alloy additive manufactured using selective laser melting. Additive Manufacturing, 2019, 25, 412-420. | 3.0 | 54 |
| 7 | Tuning Optoelectrical Properties of ZnO Nanorods with Excitonic Defects via Submerged Illumination. Nano Letters, 2017, 17, 2088-2093. | 9.1 | 51 |
| 8 | Formation of CuO nano-flowered surfaces via submerged photo-synthesis of crystallites and their antimicrobial activity. Scientific Reports, 2017, 7, 1063. | 3.3 | 49 |
| 9 | Quantitative studies of irradiation-induced segregation and grain boundary migration in FeCrNi alloy. Journal of Nuclear Materials, 1995, 224, 158-168. | 2.7 | 47 |
| 10 | Radiation-induced segregation and corrosion behavior on Î£3 coincidence site lattice and random grain boundaries in proton-irradiated type-316L austenitic stainless steel. Journal of Nuclear Materials, 2013, 434, 65-71. | 2.7 | 37 |
| 11 | Atomic Structure of Faceted Σ3 CSL Grain Boundary in Silicon: HRTEM and <I>Ab-initio</I> Calculation. Materials Transactions, 2007, 48, 2585-2589. | 1.2 | 36 |
| 12 | In situ observation of self-organizing nanodot formation under nanosecond-pulsed laser irradiation on Si surface. Journal of Applied Physics, 2010, 108, . | 2.5 | 31 |
| 13 | Surface cracking on Î£3, Î£9 CSL and random grain boundaries in helium implanted 316L austenitic stainless steel. Journal of Nuclear Materials, 2013, 432, 23-27. | 2.7 | 31 |
| 14 | Grain boundary engineering of austenitic steel PNC316 for use in nuclear reactors. Journal of Nuclear Materials, 2011, 414, 232-236. | 2.7 | 30 |
| 15 | In situ transmission electron microscopy observation of the decomposition of MgH2 nanofiber. International Journal of Hydrogen Energy, 2011, 36, 3600-3605. | 7.1 | 28 |
| 16 | Discriminant of RIS in multi-component alloys. Journal of Nuclear Materials, 1994, 208, 191-194. | 2.7 | 27 |
| 17 | A multi-scale approach to radiation-induced segregation at various grain boundaries. Journal of Nuclear Materials, 2004, 329-333, 1166-1169. | 2.7 | 26 |
| 18 | Effect of mechanical alloying parameters on irradiation damage in oxide dispersion strengthened ferritic steels. Journal of Nuclear Materials, 2000, 283-287, 647-651. | 2.7 | 25 |

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|---|---|---|---|
| 19 | Solution Plasma-Synthesized Black TiO<sub>2</sub> Nanoparticles for Solarâ€“Thermal Water Evaporation. ACS Applied Nano Materials, 2021, 4, 3940-3948. | 5.0 | 25 |
| 20 | In situ direct observation of photocorrosion in ZnO crystals in ionic liquid using a laser-equipped high-voltage electron microscope. AIP Advances, 2017, 7, . | 1.3 | 24 |
| 21 | Corrosionâ€“erosion test of SS316L grain boundary engineering material (GBEM) in lead bismuth flowing loop. Journal of Nuclear Materials, 2012, 431, 91-96. | 2.7 | 22 |
| 22 | Size-Controlled Ni Nanoparticles Formation by Solution Glow Discharge. Journal of the Physical Society of Japan, 2010, 79, 083501. | 1.6 | 21 |
| 23 | Microstructure analysis of ion beam-induced surface nanostructuring of thin Au film deposited on SiO2 glass. Journal of Materials Science, 2013, 48, 920-928. | 3.7 | 21 |
| 24 | A pathway of nanocrystallite fabrication by photo-assisted growth in pure water. Scientific Reports, 2015, 5, 11429. | 3.3 | 21 |
| 25 | Heterogeneous dislocation formation and solute redistribution near grain boundaries in austenitic stainless steel under electron irradiation. Acta Materialia, 2001, 49, 1129-1137. | 7.9 | 20 |
| 26 | Effect of Surface Modification by Ion Implantation on Hydrogenation Property of TiFe Alloy. Materials Transactions, 2002, 43, 2703-2705. | 1.2 | 20 |
| 27 | Radiation-induced segregation accompanied by grain boundary migration in austenitic stainless steel. Journal of Nuclear Materials, 1996, 232, 113-118. | 2.7 | 19 |
| 28 | A new model for radiation-induced grain boundary segregation with grain boundary movement in concentrated alloy system. Journal of Materials Science, 2005, 40, 889-893. | 3.7 | 19 |
| 29 | Dislocation Loop Formation and Growth under In Situ Laser and/or Electron Irradiation. Scientific Reports, 2011, 1, 190. | 3.3 | 19 |
| 30 | Effects of nanosecond-pulsed laser irradiation on nanostructure formation on the surface of thin Au films on SiO2 glass substrates. Applied Surface Science, 2014, 289, 274-280. | 6.1 | 19 |
| 31 | Photochemistry and the role of light during the submerged photosynthesis of zinc oxide nanorods. Scientific Reports, 2018, 8, 177. | 3.3 | 19 |
| 32 | Fabrication of a Au/Si nanocomposite structure by nanosecond pulsed laser irradiation. Nanotechnology, 2011, 22, 375607. | 2.6 | 18 |
| 33 | Facile synthesis of ZnFe2O4/SnO2 composites for efficient photocatalytic degradation of methylene blue. Materials Chemistry and Physics, 2021, 262, 124273. | 4.0 | 18 |
| 34 | Effect of He on void formation and radiation-induced segregation in dual-beam irradiated Fe-Cr-Ni. Journal of Nuclear Materials, 1994, 212-215, 330-335. | 2.7 | 16 |
| 35 | Molten salt-assisted shape modification of CaFe2O4 nanorods for highly efficient photocatalytic degradation of methylene blue. Optical Materials, 2021, 119, 111295. | 3.6 | 16 |
| 36 | Effect of additional minor element on radiation-induced grain boundary segregation in austenitic stainless steel under electron irradiation. Nuclear Instruments & Methods in Physics Research B, 1999, 153, 142-146. | 1.4 | 15 |

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| 37 | On the mechanism of radiation-induced segregation. Journal of Nuclear Materials, 1997, 240, 251-253. | 2.7 | 14 |
| 38 | Present status of study on development of materials resistant to radiation and beam impact. Journal of Nuclear Materials, 2008, 377, 21-27. | 2.7 | 14 |
| 39 | Effect of hydrogen ion/electron dual-beam irradiation on microstructural damage of a 12Cr-ODS ferrite steel. Journal of Nuclear Materials, 2010, 398, 81-86. | 2.7 | 14 |
| 40 | Enhanced Magnetoâ€optical Properties of Semiconductor EuS Nanocrystals Assisted by Surface Plasmon Resonance of Gold Nanoparticles. Chemistry - A European Journal, 2013, 19, 14438-14445. | 3.3 | 14 |
| 41 | Fabrication of Nanoparticles by Electric Discharge Plasma in Liquid. Archives of Metallurgy and Materials, 2013, 58, 425-429. | 0.6 | 14 |
| 42 | Ion irradiation synthesis of Agâ€“Au bimetallic nanospheroids in SiO2 glass substrate with tunable surface plasmon resonance frequency. Journal of Applied Physics, 2013, 114, . | 2.5 | 14 |
| 43 | Theory of superconductivity. 3. 2D conduction bands for high Tc. Bose-Einstein condensation transition of the third order. Journal of Superconductivity and Novel Magnetism, 1992, 5, 219-237. | 0.5 | 13 |
| 44 | Effects of Fast Reactor Irradiation Conditions on Tensile and Transient Burst Properties of Ferritic/Martensitic Steel Claddings. Journal of Nuclear Science and Technology, 2007, 44, 1535-1542. | 1.3 | 13 |
| 45 | Dislocation loop formation under various irradiations of laser and/or electron beams. Acta Materialia, 2013, 61, 2966-2972. | 7.9 | 13 |
| 46 | Evolution of 3D nanoporosity and morphology in selectively dealloying ternary Au<sub>55</sub>Cu<sub>25</sub>Si<sub>20</sub> metallic glass ribbon with enhanced alcohol electro-oxidation performance. Nanoscale, 2018, 10, 18846-18856. | 5.6 | 13 |
| 47 | Atomistic study of structural fluctuations during radiation-induced amorphization in the ordered intermetallic compound NiTi. Philosophical Magazine Letters, 2001, 81, 789-794. | 1.2 | 12 |
| 48 | Development of advanced materials for spallation neutron sources and radiation damage simulation based on multi-scale models. Journal of Nuclear Materials, 2012, 431, 16-25. | 2.7 | 12 |
| 49 | Nanopatterns induced by pulsed laser irradiation on the surface of an Fe-Al alloy and their magnetic properties. Applied Physics Letters, 2013, 102, . | 3.3 | 12 |
| 50 | Synthesis of stainless steel nanoballs via submerged glow-discharge plasma and its photocatalytic performance in methylene blue decomposition. Journal of Experimental Nanoscience, 2015, 10, 965-982. | 2.4 | 12 |
| 51 | Galvanic-submerged photosynthesis of crystallites: Fabrication of ZnO nanorods@ Cu-surface. Applied Surface Science, 2019, 489, 313-320. | 6.1 | 12 |
| 52 | Boundary Structure of Mo/Si Multilayers for Soft X-Ray Mirrors. Japanese Journal of Applied Physics, 2002, 41, 3052-3056. | 1.5 | 11 |
| 53 | Effect of alloying elements and neutron-irradiation on hydrogen behavior in V alloys. Journal of Nuclear Materials, 2004, 329-333, 481-485. | 2.7 | 11 |
| 54 | Dynamic and static hydrogen effects on mechanical properties in pure vanadium. Journal of Nuclear Materials, 2004, 329-333, 477-480. | 2.7 | 11 |

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| 55 | Mechanical properties and microstructural stability of 11Cr-ferritic/martensitic steel cladding under irradiation. Journal of Nuclear Materials, 2010, 398, 59-63. | 2.7 | 11 |
| 56 | Luminescence properties of ZnO-M heterostructures fabricated by galvanic-submerged photosynthesis of crystallites. Applied Surface Science, 2019, 489, 269-277. | 6.1 | 11 |
| 57 | Defect-flow-induced grain boundary migration with segregation under electron irradiation. Ultramicroscopy, 1994, 56, 193-199. | 1.9 | 10 |
| 58 | Hydride formation and fracture of vanadium alloys. Journal of Nuclear Materials, 2002, 307-311, 625-629. | 2.7 | 10 |
| 59 | Microstructure and analysis of oxide scales formed on Crâ€“Siâ€“Ni compacts in air and H2O-containing atmosphere. Corrosion Science, 2010, 52, 2098-2103. | 6.6 | 10 |
| 60 | Self-Organized Two-DimensionalVidro-NanodotArray on Laser-Irradiated Si Surface. Applied Physics Express, 2011, 4, 055202. | 2.4 | 10 |
| 61 | Photophysical properties of luminescent silicon nanoparticles surface-modified with organic molecules via hydrosilylation. Photochemical and Photobiological Sciences, 2016, 15, 99-104. | 2.9 | 10 |
| 62 | In-situ visualizing atomic structural evolution during crystallization in ternary Zr Cu Al bulk metallic glasses. Intermetallics, 2019, 105, 173-178. | 3.9 | 10 |
| 63 | Micro-chemical analysis of diffusion bonded Wâ€“SiC joint. Journal of Nuclear Materials, 2011, 417, 391-394. | 2.7 | 9 |
| 64 | Shift of localized surface plasmon resonance by Ar-ion irradiation of Agâ€“Au bimetallic films deposited on Al2O3 single crystals. Nuclear Instruments & Methods in Physics Research B, 2013, 314, 112-116. | 1.4 | 9 |
| 65 | Synthesis of yellow persistent phosphor garnet by mixed fuel solution combustion synthesis and its characteristic. Journal of Physics and Chemistry of Solids, 2020, 142, 109436. | 4.0 | 9 |
| 66 | On the angular dependence of the cyclotron resonance peaks in lead. Journal of Physics and Chemistry of Solids, 1991, 52, 985-989. | 4.0 | 8 |
| 67 | Concentration dependence of radiation-induced segregation in FeCrNi alloy. Journal of Nuclear Materials, 1995, 226, 330-331. | 2.7 | 8 |
| 68 | Effect of Ni and Cr concentration on grain boundary segregation in Feî—¸Crî—¸Ni alloys. Journal of Nuclear Materials, 1996, 239, 205-209. | 2.7 | 8 |
| 69 | Nano-crystalline formation during stress-induced amorphization at crack tips in TiNi. Journal of Electron Microscopy, 1999, 48, 613-616. | 0.9 | 8 |
| 70 | Microstructural development in a model austenitic alloy following electron and ion irradiation. Journal of Nuclear Materials, 2008, 382, 197-202. | 2.7 | 8 |
| 71 | A HRTEM and EELS study of Pd/ZnO polar interfaces. Philosophical Magazine, 2008, 88, 1493-1509. | 1.6 | 8 |
| 72 | 3D Nanoporous Gold with Very Low Parting Limit Derived from Auâ€Based Metallic Glass and Enhanced Methanol Electroâ€oxidation Catalytic Performance Induced by Metal Migration. ChemNanoMat, 2018, 4, 88-97. | 2.8 | 8 |

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| 73 | The origin of opto-functional enhancement in ZnO/CuO nanoforest structure fabricated by submerged photosynthesis. Applied Materials Today, 2022, 26, 101359. | 4.3 | 8 |
| 74 | Temporal Fluctuation and Its Power Law in the Crystalline-To-Glass Transition During Electron Irradiation. Philosophical Magazine, 2003, 83, 2599-2619. | 1.6 | 7 |
| 75 | Metastable Defect Cluster Formation during Radiation-Induced Amorphization in NiTi. Materials Transactions, 2004, 45, 24-28. | 1.2 | 7 |
| 76 | EELS and <I>Ab-Initio</I> Study of Faceted CSL Boundary in Silicon. Materials Transactions, 2011, 52, 276-279. | 1.2 | 7 |
| 77 | The Irradiation Effect of a Simultaneous Laser and Electron Dual-beam on Void Formation. Scientific Reports, 2013, 3, 1201. | 3.3 | 7 |
| 78 | Radiation-induced segregation at grain boundary in Feî—¸Crî—¸Ni alloy system: effect of temperature variation. Journal of Nuclear Materials, 1996, 239, 200-204. | 2.7 | 6 |
| 79 | Theoretical prediction and direct observation of dislocation-free zone formation near a grain boundary in austenitic stainless steel under electron irradiation. Philosophical Magazine Letters, 1996, 74, 351-356. | 1.2 | 6 |
| 80 | Nanosecond pulsed laser induced self-organized nano-dots patterns on GaSb surface. Applied Surface Science, 2014, 307, 24-27. | 6.1 | 6 |
| 81 | Effect of laser and/or electron beam irradiation on void swelling in SUS316L austenitic stainless steel. Journal of Nuclear Materials, 2017, 488, 215-221. | 2.7 | 6 |
| 82 | Atmospherically sintered copper-base alloy application film with self-assembled barrier layer on silicon substrate for silicon photovoltaics. Journal of Alloys and Compounds, 2018, 757, 333-339. | 5.5 | 6 |
| 83 | Material Factors in the Decrepitation of Hydrogen Storage Alloys. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1999, 63, 601-604. | 0.4 | 6 |
| 84 | Mesoporous single crystal titanium oxide microparticles for enhanced visible light photodegradation. Optical Materials, 2022, 127, 112297. | 3.6 | 6 |
| 85 | Relationship between superconductivity and band structures of electrons and phonons. Journal of Superconductivity and Novel Magnetism, 1993, 6, 75-79. | 0.5 | 5 |
| 86 | Dynamical Study of Spatio-Temporal Structural Fluctuations in the Intermetallic Compound Nickel-Titanium during Radiation-Induced Crystalline-to-Amorphous Transformation. Materials Transactions, 2002, 43, 1716-1718. | 1.2 | 5 |
| 87 | Atomistic Analysis of Stress-induced Local Amorphization in NiTi Alloy. Radiation Effects and Defects in Solids, 2002, 157, 101-108. | 1.2 | 5 |
| 88 | Magnetic properties on the surface of FeAl stripes induced by nanosecond pulsed laser irradiation. Journal of Applied Physics, 2014, 115, 17B901. | 2.5 | 5 |
| 89 | In-situ observation of self-assembly of quasi-two-dimensional Au nano-submicron particles on Î² -SiC substrates via nanosecond-pulsed laser irradiation-induced dewetting of thin Au films. Materials Letters, 2016, 164, 202-205. | 2.6 | 5 |
| 90 | Ion beam surface nanostructuring of noble metal films with localized surface plasmon excitation. Current Opinion in Solid State and Materials Science, 2017, 21, 177-188. | 11.5 | 5 |

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| 91 | Fabrication of Iron Oxide Nanoparticles via Submerged Photosynthesis and the Morphologies under Different Light Sources. ISIJ International, 2019, 59, 2352-2358. | 1.4 | 5 |
| 92 | Light and Shadow Effects in the Submerged Photolytic Synthesis of Micropatterned CuO Nanoflowers and ZnO Nanorods as Optoelectronic Surfaces. ACS Applied Nano Materials, 2020, 3, 1783-1791. | 5.0 | 5 |
| 93 | Selective fabrication of tungsten nano-oxides via submerged photosynthesis with hydrogen peroxide for chromic device application. Materials Letters, 2021, 302, 130344. | 2.6 | 5 |
| 94 | Photo- & radio-chromic iron-doped tungstic acids fabricated via submerged photosynthesis. Optical Materials, 2022, 124, 111966. | 3.6 | 5 |
| 95 | Atomistic observation and simulation analysis of spatio-temporal fluctuations during radiation-induced amorphization. Journal of Electron Microscopy, 2003, 52, 33-40. | 0.9 | 4 |
| 96 | Ion Implantation Induced Martensite Nucleation in SUS301 Steel. Materials Transactions, 2007, 48, 924-930. | 1.2 | 4 |
| 97 | In-situ Observation of Fracture Behavior on Nano Structure in NITE SiC/SiC Composite by HVEM. IOP Conference Series: Materials Science and Engineering, 2011, 18, 162013. | 0.6 | 4 |
| 98 | Plasmonic surface nanostructuring of Au-dots@SiO2via laser-irradiation induced dewetting. Nanotechnology, 2017, 28, 275701. | 2.6 | 4 |
| 99 | Visualization of aquaionic splitting via iron corrosion. Scientific Reports, 2020, 10, 1726. | 3.3 | 4 |
| 100 | On the conductance of a lattice-like network. Journal of Physics and Chemistry of Solids, 1989, 50, 27-31. | 4.0 | 3 |
| 101 | On the Orientation Dependence of the Cyclotron Resonance Peaks for Holes in Ge and Si. Physica Status Solidi (B): Basic Research, 1990, 158, K69. | 1.5 | 3 |
| 102 | A computational study of dislocation evolution and radiation-induced segregation at a grain boundary. Journal of Nuclear Materials, 1996, 239, 176-179. | 2.7 | 3 |
| 103 | Formation of sphalerite and wurtzite ZnO in Pdâ€“Zn alloy after internal oxidation at elevated temperatures. Journal of Materials Science, 2011, 46, 4568-4573. | 3.7 | 3 |
| 104 | Effects of ion and nanosecond-pulsed laser co-irradiation on the surface nanostructure of Au thin films on SiO2 glass substrates. Journal of Applied Physics, 2014, 115, . | 2.5 | 3 |
| 105 | Anisotropic surroundings effects on photo absorption of partially embedded Au nanospheroids in silica glass substrate. AIP Advances, 2015, 5, . | 1.3 | 3 |
| 106 | Effect of Glass Frits Amount on Atmospheric Sintering Behavior and Characteristics of Electrode Produced by Copperâ€“Phosphorus Alloy. IEEE Journal of Photovoltaics, 2015, 5, 1325-1334. | 2.5 | 3 |
| 107 | A reaction mechanism of atmospheric sintering for copperâ€“phosphorus alloy electrode. Journal of Alloys and Compounds, 2017, 695, 3353-3359. | 5.5 | 3 |
| 108 | Effects of Fast Reactor Irradiation Conditions on Tensile and Transient Burst Properties of Ferritic/Martensitic Steel Claddings. Journal of Nuclear Science and Technology, 2007, 44, 1535-1542. | 1.3 | 3 |

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| 109 | Theory of the anisotropies in the cyclotron resonance peaks for electrons in Ge based on hexagonal orbitals. Solid State Communications, 1989, 72, 581-583. | 1.9 | 2 |
| 110 | Effect of additional minor elements on void nucleation in stainless steels during simultaneous irradiation with helium ions and electrons. Journal of Nuclear Materials, 1996, 233-237, 177-182. | 2.7 | 2 |
| 111 | Theoretical and Experimental Studies of Irradiation-Induced Grain Boundary Migration Depending on Orientation. Materials Science Forum, 1996, 207-209, 561-564. | 0.3 | 2 |
| 112 | Numerical Simulation of Solidified Structure Formation of Al-Si Alloy Casting Using Cellular Automaton Method. Materials Science Forum, 2008, 575-578, 154-163. | 0.3 | 2 |
| 113 | Ion Implantation Induced Martensite Nucleation in SUS301 Steel. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2008, 72, 631-636. | 0.4 | 2 |
| 114 | Wavelength-dependent magnetic transitions of self-organized ironâ€“aluminum stripes induced by pulsed laser irradiation. Journal of Applied Physics, 2015, 117, . | 2.5 | 2 |
| 115 | Design of a patterned nanostructure array using a nanosecond pulsed laser. AIP Advances, 2018, 8, 045122. | 1.3 | 2 |
| 116 | Formation of Stainless Steel Nanoballs via Submerged Glow-discharge Plasma and their Microstructural Analysis with Evaluation of Photocatalytic Activity. ISIJ International, 2018, 58, 1162-1167. | 1.4 | 2 |
| 117 | Fabrication of Dot-like Nano-protrusions on Silicon Surfaces Using Nanosecond Pulse Nd:YAG Laser Irradiation. Transactions of the Japan Institute of Electronics Packaging, 2010, 3, 57-61. | 0.4 | 2 |
| 118 | On the ã€ˆ110ã€‰ cylindrical fermi surface and the anisotropic cyclotron resonance peak in lead. Journal of Physics and Chemistry of Solids, 1993, 54, 325-329. | 4.0 | 1 |
| 119 | Defect-flow-induced heterogeneous dislocation formation and solute redistribution near a grain boundary in austenitic stainless steel under electron irradiation. Journal of Nuclear Materials, 1999, 271-272, 184-188. | 2.7 | 1 |
| 120 | Formation and Stability of Metallic Silicides during Ion-Beam-Mixing in the Systems of Mo/Si and Ti/Si. Materials Transactions, JIM, 1999, 40, 408-411. | 0.9 | 1 |
| 121 | Electron-Irradiation-Induced Amorphization in Mo/Si Nano-Multilayer Material. Materials Transactions, 2002, 43, 650-653. | 1.2 | 1 |
| 122 | Non-equilibrium local phase formation by high-speed deformation in NiTi. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 350, 145-149. | 5.6 | 1 |
| 123 | Dynamic and static hydrogen effects on mechanical properties in Vanadium alloys. AIP Conference Proceedings, 2006, , . | 0.4 | 1 |
| 124 | Atomic Structure of Faceted Î£3 CSL Grain Boundary in Silicon: HRTEM and Ab-Initio Calculation. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2008, 72, 886-891. | 0.4 | 1 |
| 125 | Effect of growth rate on microstructure and microstructure evolution of directionally solidified Nb-Si alloys. Materials Research Society Symposia Proceedings, 2008, 1128, 53801. | 0.1 | 1 |
| 126 | Transformation in ironâ€“platinum thin film via nanosecond pulsed laser irradiation. Journal of Physics and Chemistry of Solids, 2017, 109, 46-49. | 4.0 | 1 |

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| 127 | Misorientation dependence of grain boundary segregation under electron irradiation in an austenitic stainless steel. European Physical Journal Special Topics, 2000, 10, Pr6-173-Pr6-178. | 0.2 | 1 |
| 128 | Detection of Radiation-Enhanced Diffusion by Means of Neutron-Irradiated Diffusion Couples of Fe-Cr-Ni System. , 2004, , 516-525. | | 1 |
| 129 | Precipitation and Amorphization in Boron Carbide Irradiated by High Energy Helium Ions. , 2004, , 670-679. | | 1 |
| 130 | Effect of Ion-Irradiation on Phase Transformation in TiNi Shape Memory Alloys. , 2000, , 1147-1158. | | 1 |
| 131 | Improvement of Corrosion Resistance and Structural Change in 304 Stainless Steel by means of Ion-Mixing. Materials Transactions, 2002, 43, 638-640. | 1.2 | 0 |
| 132 | Nanostructural Fluctuation in Radiation-Amorphized Alloys. Materials Research Society Symposia Proceedings, 2003, 792, 515. | 0.1 | 0 |
| 133 | Radiation-Induced Glass Transition and Structural Fluctuation in NiTi Metallic Glass System. AIP Conference Proceedings, 2006, , . | 0.4 | 0 |
| 134 | Fabrication of Quantum Structure Utilizing CSL Boundary by Ion Implantation. Materia Japan, 2008, 47, 638-638. | 0.1 | 0 |
| 135 | Thermal Stability of Microstructure in Grain Boundary Character Distribution-Optimized and Cold-Worked Austenitic Stainless Steel Developed for Nuclear Reactor Application. Materials Research Society Symposia Proceedings, 2009, 1215, 1. | 0.1 | 0 |
| 136 | Deformation-induced Amorphization of Crack Tip in NiTi Alloy. Materia Japan, 1998, 37, 372-372. | 0.1 | 0 |
| 137 | Measurement of Radiation-Induced Segregation by Means of FE-TEM. Materia Japan, 1998, 37, 378-378. | 0.1 | 0 |
| 138 | Ion irradiation technique for electron microscopy. Keikinzoku/Journal of Japan Institute of Light Metals, 2014, 64, 654-662. | 0.4 | 0 |
| 139 | Advanced Characterization Nanotechnology Platform of Nanotechnology Platform Japan Program in Hokkaido University. Materia Japan, 2019, 58, 758-762. | 0.1 | 0 |
| 140 | Fabrication of color-toned micro/nanopattern surface by submerged photosynthesis method. Microelectronic Engineering, 2022, 256, 111727. | 2.4 | 0 |
| 141 | Behavior of Fe-Cr-Ni-xP-yTi Alloys under Electron/He Ion Dual Beam Irradiation. , 1999, , 701-709. | | 0 |