

# Jun Takahashi

## List of Publications by Year in descending order

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18  
papers

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citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	The first direct observation of hydrogen trapping sites in TiC precipitation-hardening steel through atom probe tomography. <i>Scripta Materialia</i> , 2010, 63, 261-264.	5.2	279
2	Origin of hydrogen trapping site in vanadium carbide precipitation strengthening steel. <i>Acta Materialia</i> , 2018, 153, 193-204.	7.9	168
3	Direct observation of hydrogen-trapping sites in vanadium carbide precipitation steel by atom probe tomography. <i>Scripta Materialia</i> , 2012, 67, 213-216.	5.2	147
4	Direct observation of niobium segregation to dislocations in steel. <i>Acta Materialia</i> , 2016, 107, 415-422.	7.9	55
5	Three-dimensional atom probe analysis of heavily drawn steel wires by probing perpendicular to the pearlitic lamellae. <i>Ultramicroscopy</i> , 2009, 109, 193-199.	1.9	53
6	Quantitative analysis of grain boundaries in carbon- and nitrogen-added ferritic steels by atom probe tomography. <i>Scripta Materialia</i> , 2012, 66, 207-210.	5.2	47
7	Development of atom probe specimen preparation techniques for specific regions in steel materials. <i>Ultramicroscopy</i> , 2007, 107, 744-749.	1.9	39
8	Comparison of the quantitative analysis performance between pulsed voltage atom probe and pulsed laser atom probe. <i>Ultramicroscopy</i> , 2017, 175, 105-110.	1.9	11
9	Study on Quantitative Analysis of Carbon and Nitrogen in Stoichiometric $\text{Fe}_{3}\text{C}$ and $\text{Fe}_{4}\text{N}$ by Atom Probe Tomography. <i>Microscopy and Microanalysis</i> , 2020, 26, 185-193.	0.4	11
10	Determination of the Chemical Compositions of Fine titanium Carbide and Niobium Carbide Precipitates in Isothermally Aged Ferritic Steel by Atom Probe Tomography Analysis. <i>Microscopy and Microanalysis</i> , 2021, 27, 1-11.	0.4	8
11	Study on complex precipitation kinetics in Cr- and Cu-added nitriding steels by atom probe tomography. <i>Acta Materialia</i> , 2019, 169, 88-98.	7.9	7
12	In situ determination of misorientation angle of grain boundary by field ion microscopy analysis. <i>Ultramicroscopy</i> , 2014, 140, 20-25.	1.9	6
13	Application of atom probe tomography to fundamental issues of steel materials. <i>Surface and Interface Analysis</i> , 2019, 51, 12-16.	1.8	6
14	Precipitation Behavior of V and/or Cu Bearing Middle Carbon Steels. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 2012, 98, 434-441.	0.4	3
15	Atom probe analysis on interaction between Cr and N in bake-hardening steels with anti-aging properties at RT. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 585, 100-107.	5.6	3
16	Quantitative Analysis of Nitrogen by Atom Probe Tomography Using Stoichiometric $\text{Fe}_{4}\text{N}$ Consisting of $^{15}\text{N}$ Isotope. <i>Microscopy and Microanalysis</i> , 2022, 28, 42-52.	0.4	2
17	Atomic-Scale Analysis of Oxide Inclusion in Weld Metal Using Atom Probe Tomography. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2022, 53, 1693-1703.	2.2	2
18	Position artifacts in 3D reconstruction of plate-shaped precipitates in steels depending on the analysis direction of atom probe tomography. <i>Surface and Interface Analysis</i> , 2021, 53, 982.	1.8	1