

# Naohiko Sasajima

## List of Publications by Year in descending order

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35  
papers

485  
citations

759233

12  
h-index

677142

22  
g-index

35  
all docs

35  
docs citations

35  
times ranked

274  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of WC-C peritectic and Ru-C eutectic fixed points. Metrologia, 2019, 56, 055010.	1.2	6
2	The equilibrium liquidus temperatures of rhenium-carbon, platinum-carbon and cobalt-carbon eutectic alloys. Metrologia, 2017, 54, 390-398.	1.2	25
3	Design and Investigation of Pd-C Eutectic Fixed-Point Cells for Thermocouple Calibration at NMIA. International Journal of Thermophysics, 2017, 38, 1.	2.1	1
4	Dual-wavelength reflectance-ratio (DWR) method applied to high-temperature metals. , 2017, , .		0
5	Thermodynamic temperature assignment to the point of inflection of the melting curve of high-temperature fixed points. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150044.	3.4	64
6	Numerical study of the effect of the shape of the phase diagram on the eutectic freezing temperature. , 2013, , .		0
7	Radiation thermometry standards at NMIJ from $\sim 30$ $\text{^\circ C}$ to 2800 $\text{^\circ C}$ . , 2013, , .		5
8	Realization of the WC-C peritectic fixed point at NIM and NMIJ. , 2013, , .		5
9	Radiometric Temperature Comparisons of Three NIST Gold Freezing-Point Blackbodies. International Journal of Thermophysics, 2011, 32, 1664-1673.	2.1	0
10	Numerical Prediction of Eutectic Temperature Using a Multi-phase-Field Model. International Journal of Thermophysics, 2011, 32, 2610-2622.	2.1	3
11	New Filling Technique and Performance Evaluations of the Cr <sub>3</sub> C <sub>2</sub> -C Peritectic Fixed Point. International Journal of Thermophysics, 2011, 32, 2696-2707.	2.1	1
12	Investigation of Ti-C Eutectic and WC-C Peritectic High-Temperature Fixed Points. International Journal of Thermophysics, 2008, 29, 944-957.	2.1	18
13	The dependence of the iron-carbon eutectic transition temperature on thermal history and its implications for thermometry. Journal of Alloys and Compounds, 2008, 452, 61-66.	5.5	4
14	Experimental investigation of Cr <sub>3</sub> C <sub>2</sub> -C peritectic fixed point. , 2007, , .		0
15	Investigation of WC-C peritectic high-temperature fixed point. , 2007, , .		0
16	The effect of the eutectic structure and the residual effect of impurities on the uncertainty in the eutectic temperatures of Fe-C and Co-C. Metrologia, 2007, 44, 279-293.	1.2	38
17	A Study of the Metal Carbide-Carbon Peritectic Phase Transition for the Cr-C System. International Journal of Thermophysics, 2007, 28, 2028-2040.	2.1	6
18	Metal carbide-carbon peritectic systems as high-temperature fixed points in thermometry. Metrologia, 2006, 43, L23-L27.	1.2	49

#	ARTICLE	IF	CITATIONS
19	The NIST eutectic project: construction of Co <sup>60</sup> C, Pt <sup>192</sup> C and Re <sup>187</sup> C fixed-point cells and their comparison with the NMIJ. Metrologia, 2006, 43, S109-S114.	1.2	5
20	Metal Carbide-Carbon Eutectic and Peritectic Fixed Points as High-Temperature Standards. , 2006, , .		0
21	High-Temperature Furnace Systems for Realizing Metal-Carbon Eutectic Fixed Points. AIP Conference Proceedings, 2003, , .	0.4	9
22	On the Effect of Impurities on the Melting Curve of the Eutectic System Fe-C. AIP Conference Proceedings, 2003, , .	0.4	4
23	Radiation effects on MgAl <sub>2</sub> O <sub>4</sub> -stabilized ZrO <sub>2</sub> composite material under He <sup>+</sup> or Xe <sup>2+</sup> ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2000, 166-167, 250-257.	1.4	20
24	Damage accumulation in Al <sub>2</sub> O <sub>3</sub> during H <sub>2</sub> <sup>+</sup> or He <sup>+</sup> ion irradiation. Nuclear Instruments & Methods in Physics Research B, 1999, 148, 745-751.	1.4	35
25	Damage evolution in TiC crystals during hydrogen and helium dual-ion beam irradiation. Nuclear Instruments & Methods in Physics Research B, 1999, 148, 720-725.	1.4	5
26	EELS analysis of SiC crystals under hydrogen and helium dual-ion beam irradiation. Nuclear Instruments & Methods in Physics Research B, 1998, 141, 148-153.	1.4	30
27	Radiation damage in yttria-stabilized zirconia under Xe ion irradiation. Nuclear Instruments & Methods in Physics Research B, 1998, 141, 487-493.	1.4	59
28	Radiation effects on Al <sub>2</sub> O <sub>3</sub> irradiated with H <sub>2</sub> <sup>+</sup> ions. Journal of Nuclear Materials, 1998, 258-263, 1817-1821.	2.7	8
29	Isotope effect between hydrogen and deuterium ion irradiation on titanium carbide (TiC) at low temperature. Nuclear Instruments & Methods in Physics Research B, 1997, 127-128, 203-207.	1.4	4
30	Ion irradiation and annealing effects in Al <sub>2</sub> O <sub>3</sub> and MgAl <sub>2</sub> O <sub>4</sub> . Nuclear Instruments & Methods in Physics Research B, 1997, 127-128, 181-185.	1.4	23
31	Thermodynamic study on UPd <sub>3</sub> and U(Pd <sub>0.85</sub> Rh <sub>0.15</sub> ) <sub>3</sub> . Journal of Nuclear Materials, 1997, 247, 232-234.	2.7	8
32	Behaviour of Zirconia Based Fuel Material Under Xe Irradiation. Materials Research Society Symposia Proceedings, 1996, 439, 625.	0.1	34
33	In situ observation of damage evolution in TiC during hydrogen and deuterium ion irradiation at low temperatures. Journal of Nuclear Materials, 1996, 239, 279-283.	2.7	15
34	Metal-carbon and metal carbide-carbon eutectic fixed points as high-temperature standards. , 0, , .		0
35	On the effect of impurities on the melting curve of the metal-carbon eutectic systems. , 0, , .		1