

Kensei Ehara

List of Publications by Year in descending order

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38
papers

1,191
citations

687335

13
h-index

414395

32
g-index

40
all docs

40
docs citations

40
times ranked

1358
citing authors

#	ARTICLE	IF	CITATIONS
1	Standard measurement method for normal state resistance and critical current of resistively shunted Josephson junctions. Superconductor Science and Technology, 2022, 35, 045002.	3.5	4
2	Accurate determination of mass and diameter of monodisperse particles by the electro-gravitational aerosol balance: Correction for the work function imbalance between the electrode surfaces. Aerosol Science and Technology, 2020, 54, 1386-1398.	3.1	2
3	Interlaboratory comparison of nanoparticle size measurements between NMJJ and NIST using two different types of dynamic light scattering instruments. Metrologia, 2019, 56, 055002.	1.2	14
4	Size measurements of standard nanoparticles using metrological atomic force microscope and evaluation of their uncertainties. Precision Engineering, 2018, 51, 691-701.	3.4	18
5	Aerosol-to-liquid collection: A method for making aqueous suspension of hydrophobic nanomaterial without adding dispersant. Aerosol Science and Technology, 2017, 51, 1144-1157.	3.1	0
6	Proficiency tests with uncertainty information: Extension of the E overflows for cases with no reference laboratory. Measurement: Journal of the International Measurement Confederation, 2016, 83, 135-143.	5.0	5
7	Proficiency tests with uncertainty information: Detection of an unknown random effect. Measurement: Journal of the International Measurement Confederation, 2016, 83, 144-152.	5.0	5
8	Molecularly uniform poly(ethylene glycol) certified reference material. Metrologia, 2015, 52, 8-16.	1.2	2
9	Recent activity of international comparison for nanoparticle size measurement. Proceedings of SPIE, 2014, , .	0.8	7
10	Inkjet Aerosol Generator as Monodisperse Particle Number Standard. Aerosol Science and Technology, 2014, 48, 789-802.	3.1	27
11	Evaluation of method uncertainty in the calibration of piston pipettes (micropipettes) using the gravimetric method in accordance with the procedure of ISO 8655-6. Accreditation and Quality Assurance, 2014, 19, 377-389.	0.8	5
12	Optimization of experimental parameters for separation of nonionic surfactants by supercritical fluid chromatography. Journal of Supercritical Fluids, 2013, 82, 256-262.	3.2	6
13	Nanoscale reference materials for environmental, health and safety measurements: needs, gaps and opportunities. Nanotoxicology, 2013, 7, 1325-1337.	3.0	98
14	Inkjet aerosol generator as monodisperse particle number standard. , 2013, , .		1
15	Design Considerations and Performance Evaluation of a Compact Aerosol Particle Mass Analyzer. Aerosol Science and Technology, 2013, 47, 1152-1162.	3.1	27
16	THEORY OF AND COMPUTATION PROGRAM FOR DETERMINATION OF THE REFERENCE VALUE IN KEY COMPARISONS BASED ON BAYESIAN STATISTICS. Series on Advances in Mathematics for Applied Sciences, 2012, , 366-376.	0.1	2
17	Comparison of Three Particle Number Concentration Calibration Standards Through Calibration of a Single CPC in a Wide Particle Size Range. Aerosol Science and Technology, 2012, 46, 1163-1173.	3.1	27
18	Extension of gravity center method for diameter calibration of polystyrene standard particles with a metrological AFM. Proceedings of SPIE, 2012, , .	0.8	7

#	ARTICLE	IF	CITATIONS
19	Evaluation of uncertainties in femtoampere current measurement for the number concentration standard of aerosol nanoparticles. <i>Measurement Science and Technology</i> , 2011, 22, 024009.	2.6	12
20	Mass Range and Optimized Operation of the Aerosol Particle Mass Analyzer. <i>Aerosol Science and Technology</i> , 2011, 45, 196-214.	3.1	53
21	Development and Performance Evaluation of Air Sampler with Inertial Filter for Nanoparticle Sampling. <i>Aerosol and Air Quality Research</i> , 2010, 10, 185-192.	2.1	74
22	Bayesian statistics for determination of the reference value and degree of equivalence of inconsistent comparison data. <i>Metrologia</i> , 2010, 47, 444-452.	1.2	10
23	Metrology of airborne and liquid-borne nanoparticles: current status and future needs. <i>Metrologia</i> , 2010, 47, S83-S90.	1.2	17
24	Development and Evaluation of an Aerosol Generation and Supplying System for Inhalation Experiments of Manufactured Nanoparticles. <i>Environmental Science & Technology</i> , 2009, 43, 5529-5534.	10.0	47
25	BASIC PROPERTIES AND MEASURING METHODS OF NANOPARTICLES. , 2008, , 3-48.		12
26	Simple uncertainty evaluation method for an interferometric flatness measurement machine using a calibrated test flat. <i>Metrologia</i> , 2008, 45, 21-26.	1.2	13
27	Absolute Mass and Size Measurement of Monodisperse Particles Using a Modified Millikan's Method: Part II—Application of Electro-Gravitational Aerosol Balance to Polystyrene Latex Particles of 100 nm to 1 μ m in Average Diameter. <i>Aerosol Science and Technology</i> , 2006, 40, 521-535.	3.1	14
28	Absolute Mass and Size Measurement of Monodisperse Particles Using a Modified Millikan's Method: Part I—Theoretical Framework of the Electro-Gravitational Aerosol Balance. <i>Aerosol Science and Technology</i> , 2006, 40, 514-520.	3.1	9
29	Size measurements of gasborne poly(amidoamine) (PAMAM) dendrimers using a differential mobility analyzer (DMA). <i>Journal of Aerosol Science</i> , 2006, 37, 1643-1648.	3.8	3
30	The evaluation of particle counting efficacy of the new optical scattering method detecting the fluorescence for the particle number concentration standard in liquid. , 2005, 5856, 994.		1
31	Size Measurement of Polystyrene Latex Particles Larger than 1 Micrometer using a Long Differential Mobility Analyzer. <i>Aerosol Science and Technology</i> , 2004, 38, 1178-1184.	3.1	8
32	Study on distinction of particles and bubbles for particle counting in liquids by the use fluorescence. , 2003, 5144, 855.		0
33	The Relationship between Mass and Mobility for Atmospheric Particles: A New Technique for Measuring Particle Density. <i>Aerosol Science and Technology</i> , 2002, 36, 227-238.	3.1	391
34	Novel method to classify aerosol particles according to their mass-to-charge ratio—Aerosol particle mass analyser. <i>Journal of Aerosol Science</i> , 1996, 27, 217-234.	3.8	232
35	Stochastic Modeling of a New Spectrometer. <i>Aerosol Science and Technology</i> , 1995, 23, 611-627.	3.1	13
36	Theory of Surface Frenkel Excitons in Cubic Systems:K// and Polarization-Dependent Oscillator Strength. <i>Journal of the Physical Society of Japan</i> , 1985, 54, 3029-3041.	1.6	0

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37	Dispersion Relations and Reflection Spectra of L-T Mixed Mode Polaritons. Journal of the Physical Society of Japan, 1982, 51, 3553-3561.	1.6	4
38	Two different polarizabilities and corresponding choices of Hamiltonian. Solid State Communications, 1982, 44, 453-457.	1.9	16