Kensei Ehara

List of Publications by Year
in descending order

38	1,191	687363 13	414414 32
papers	citations	h-index	g-index

40	40	40	1358
all docs	docs citations	times ranked	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 NMIJ 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<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si14.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi>E</mml:mi></mml:mrow><mml:mrow><mml:mn></mml:mn></mml:mrow></mml:msub><mml:mi></mml:mi></mml:mrow> 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 â€œmethod uncertaintyâ€•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. Measurement Science and Technology, 2011, 22, 024009.	2.6	12
20	Mass Range and Optimized Operation of the Aerosol Particle Mass Analyzer. Aerosol Science and Technology, 2011, 45, 196-214.	3.1	53
21	Development and Performance Evaluation of Air Sampler with Inertial Filter for Nanoparticle Sampling. Aerosol and Air Quality Research, 2010, 10, 185-192.	2.1	74
22	Bayesian statistics for determination of the reference value and degree of equivalence of inconsistent comparison data. Metrologia, 2010, 47, 444-452.	1.2	10
23	Metrology of airborne and liquid-borne nanoparticles: current status and future needs. Metrologia, 2010, 47, S83-S90.	1.2	17
24	Development and Evaluation of an Aerosol Generation and Supplying System for Inhalation Experiments of Manufactured Nanoparticles. Environmental Science & Technology, 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. Metrologia, 2008, 45, 21-26.	1.2	13
27	Absolute Mass and Size Measurement of Monodisperse Particles Using a Modified Millikan's Method: Part IIâ€"Application of Electro-Gravitational Aerosol Balance to Polystyrene Latex Particles of 100 nm to 1 Î¼m in Average Diameter. Aerosol Science and Technology, 2006, 40, 521-535.	3.1	14
28	Absolute Mass and Size Measurement of Monodisperse Particles Using a Modified Millikan's Method: Part Iâ€"Theoretical Framework of the Electro-Gravitational Aerosol Balance. Aerosol Science and Technology, 2006, 40, 514-520.	3.1	9
29	Size measurements of gasborne poly(amidoamine) (PAMAM) dendrimers using a differential mobility analyzer (DMA). Journal of Aerosol Science, 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. Aerosol Science and Technology, 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. Aerosol Science and Technology, 2002, 36, 227-238.	3.1	391
34	Novel method to classify aerosol particles according to their mass-to-charge ratioâ€"Aerosol particle mass analyser. Journal of Aerosol Science, 1996, 27, 217-234.	3.8	232
35	Stochastic Modeling of a New Spectrometer. Aerosol Science and Technology, 1995, 23, 611-627.	3.1	13
36	Theory of Surface Frenkel Excitons in Cubic Systems:K//- and Polarization-Dependent Oscillator Strength. Journal of the Physical Society of Japan, 1985, 54, 3029-3041.	1.6	0

#	Article	IF	Citations
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