Soon-Bark Kwon

List of Publications by Year
in descending order

45 papers	1,140 citations	430874 18 h-index	395702 33 g-index
47 all docs	**47** docs citations	**47** times ranked	**1341** citing authors

#	Article	IF	Citations
1	Study on the initial velocity distribution of exhaled air from coughing and speaking. Chemosphere, 2012, 87, 1260-1264.	8.2	148
2	Predicting PM10 concentration in Seoul metropolitan subway stations using artificial neural network (ANN). Journal of Hazardous Materials, 2018, 341, 75-82.	12.4	129
3	A multivariate study for characterizing particulate matter (PM10, PM2.5, and PM1) in Seoul metropolitan subway stations, Korea. Journal of Hazardous Materials, 2015, 297, 295-303.	12.4	81
4	Size-Dependent Volatility of Diesel Nanoparticles:â€‰ Chassis Dynamometer Experiments. Environmental Science & Technology, 2003, 37, 1794-1802.	10.0	64
5	Generation of Nanoparticles from Friction between Railway Brake Disks and Pads. Environmental Science & Technology, 2016, 50, 3453-3461.	10.0	60
6	Characteristics of the collection efficiency for a double inlet cyclone with clean air. Journal of Aerosol Science, 2003, 34, 1085-1095.	3.8	59
7	Study on Size Distribution of Total Aerosol and Water-Soluble Ions During an Asian Dust Storm Event at Jeju Island, Korea. Environmental Monitoring and Assessment, 2004, 93, 157-183.	2.7	57
8	Charge neutralization of submicron aerosols using surface-discharge microplasma. Journal of Aerosol Science, 2006, 37, 483-499.	3.8	33
9	Emission Characteristics of Particulate Matter and Volatile Organic Compounds in Cow Dung Combustion. Environmental Science & Technology, 2013, 47, 12952-12957.	10.0	33
10	LiOH-embedded zeolite for carbon dioxide capture under ambient conditions. Journal of Industrial and Engineering Chemistry, 2015, 22, 350-356.	5.8	32
11	Size distribution analysis of airborne wear particles released by subway brake system. Wear, 2017, 372-373, 169-176.	3.1	30
12	Wall Loss Rate of Polydispersed Aerosols. Aerosol Science and Technology, 2001, 35, 710-717.	3.1	29
13	Status of PM in Seoul metropolitan subway cabins and effectiveness of subway cabin air purifier (SCAP). Clean Technologies and Environmental Policy, 2014, 16, 1193-1200.	4.1	27
14	Effects of jet configuration on the performance of multi-nozzle impactors. Journal of Aerosol Science, 2002, 33, 859-869.	3.8	22
15	The effects of operating conditions on particulate matter exhaust from diesel locomotive engines. Science of the Total Environment, 2012, 419, 76-80.	8.0	22
16	Design and calibration of a 5-stage cascade impactor (K-JIST cascade impactor). Journal of Aerosol Science, 2003, 34, 289-300.	3.8	19
17	Characteristics of Aerosol Charge Distribution by Surface-Discharge Microplasma Aerosol Charger (SMAC). Aerosol Science and Technology, 2005, 39, 987-1001.	3.1	18
18	Inhalation cancer risk from PM10 in the metropolitan subway stations in Korea. Journal of Transport and Health, 2019, 14, 100580.	2.2	18

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19	Unipolar charging of nanoparticles by the Surface-discharge Microplasma Aerosol Charger (SMAC). Journal of Nanoparticle Research, 2007, 9, 621-630.	1.9	16
20	Decomposition of Toluene with Surface-Discharge Microplasma Device. Japanese Journal of Applied Physics, 2005, 44, 5206-5210.	1.5	15
21	Development of CO_2 gas cluster cleaning method and its characterization. Microelectronic Engineering, 2013, 102, 87-90.	2.4	15
22	Transient variation of aerosol size distribution in an underground subway station. Environmental Monitoring and Assessment, 2016, 188, 362.	2.7	13
23	Estimation of inhaled airborne particle number concentration by subway users in Seoul, Korea. Environmental Pollution, 2017, 231, 663-670.	7.5	12
24	Investigation of live and dead status of airborne bacteria using UVAPS with LIVE/DEADÂ® BacLight Kit. Journal of Aerosol Science, 2018, 115, 181-189.	3.8	11
25	Effect of train velocity on the amount of airborne wear particles generated from wheelâ€"rail contacts. Wear, 2018, 414-415, 296-302.	3.1	11
26	Novel Air Filtration Device for Building Air Handling Unit. Aerosol and Air Quality Research, 2011, 11, 570-577.	2.1	11
27	Analytic Solutions to Diffusional Deposition of Polydisperse Aerosols in Fibrous Filters. Aerosol Science and Technology, 2002, 36, 742-747.	3.1	10
28	Decomposition of Volatile Organic Compounds Using Surface-Discharge Microplasma Devices. Japanese Journal of Applied Physics, 2006, 45, 1801-1804.	1.5	9
29	Effect of a fuel activation device (FAD) on particulate matter and black carbon emissions from a diesel locomotive engine. Science of the Total Environment, 2017, 575, 97-102.	8.0	9
30	The Origins of Nanoparticle Modes in the Number Distribution of Diesel Particulate Matter. , 0, , .		7
31	Adsorption and Desorption Characteristics of Carbon Dioxide at Low Concentration on Zeolite 5A and 13X. Journal of Korean Society for Atmospheric Environment, 2011, 27, 191-200.	1.1	6
32	Ion Beam Charging of Aerosol Nanoparticles. Aerosol Science and Technology, 2005, 39, 750-759.	3.1	5
33	Evaluation of temperature effects on brake wear particles using clustered heatmaps. Environmental Engineering Research, 2019, 24, 680-689.	2.5	5
34	The Distribution Characteristics of Carbon Dioxide in Indoor School Spaces. Journal of Korean Society for Atmospheric Environment, 2011, 27, 117-125.	1.1	4
35	Size-dependent characteristics of diurnal particle concentration variation in an underground subway tunnel. Environmental Monitoring and Assessment, 2018, 190, 740.	2.7	3
36	Performance evaluation of a hybrid dust collector for removing particles during subway train operation. Aerosol Science and Technology, 2019, 53, 562-574.	3.1	3

#	Article	IF	Citations
37	Air Quality and PM10 Source Analysis on the Railway Vehicles. Journal of Korean Society for Atmospheric Environment, 2007, 23, 311-321.	1.1	3
38	Air Quality in the Subway Cabins of the Seoul Metropolitan Area and Analysis of Its Influencing Factors Using Multivariate Statistics. Journal of Korean Society for Atmospheric Environment, 2011, 27, 142-151.	1.1	3
39	A study on the improvement of the air exhaust system at the PSD installed subway station. Journal of Korean Tunnelling and Underground Space Association, 2015, 17, 353-362.	0.0	3
40	Quantitative Analysis of CO_2 Reduction by Door-opening in the Subway Cabin. Journal of Korean Society for Atmospheric Environment, 2008, 24, 153-161.	1.1	3
41	Study on the Removal of Carbon Dioxide in the Subway Cabin Using Zeolite Type Carbon Dioxide Adsorbent. Journal of the Korean Society for Railway, 2011, 14, 1-5.	0.1	3
42	Simultaneous Use of Polystyrene Latex Particles of Different Sizes to Evaluate Performance of a Cyclone and Impactor. Aerosol Science and Technology, 2002, 36, 1003-1011.	3.1	2
43	Development of Air Cleaning Roll-Filter for Improving IAQ in Subway. Journal of the Korean Society for Railway, 2011, 14, 313-319.	0.1	2
44	Study on the Temperature Distribution of Cabin under Various Car Heating Modes. Journal of the Korean Society for Railway, 2012, 15, 558-565.	0.1	1
45	Study of the Effects of Ambient Temperature and Car Heater Power on the Train Cabin Temperature. Journal of the Korea Academia-Industrial Cooperation Society, 2014, 15, 5877-5884.	0.1	0