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	Inhalation cancer risk from PM10 in the metropolitan subway stations in Korea. Journal of Transport and Health, 2019, 14, 100580.	2.2	18
2	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
3	Evaluation of temperature effects on brake wear particles using clustered heatmaps. Environmental Engineering Research, 2019, 24, 680-689.	2.5	5
4	Predicting PM10 concentration in Seoul metropolitan subway stations using artificial neural network (ANN). Journal of Hazardous Materials, 2018, 341, 75-82.	12.4	129
5	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
6	Size-dependent characteristics of diurnal particle concentration variation in an underground subway tunnel. Environmental Monitoring and Assessment, 2018, 190, 740.	2.7	3
7	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
8	Size distribution analysis of airborne wear particles released by subway brake system. Wear, 2017, 372-373, 169-176.	3.1	30
9	Estimation of inhaled airborne particle number concentration by subway users in Seoul, Korea. Environmental Pollution, 2017, 231, 663-670.	7.5	12
10	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
11	Transient variation of aerosol size distribution in an underground subway station. Environmental Monitoring and Assessment, 2016, 188, 362.	2.7	13
12	Generation of Nanoparticles from Friction between Railway Brake Disks and Pads. Environmental Science & Technology, 2016, 50, 3453-3461.	10.0	60
13	LiOH-embedded zeolite for carbon dioxide capture under ambient conditions. Journal of Industrial and Engineering Chemistry, 2015, 22, 350-356.	5.8	32
14	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
15	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
16	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
17	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
18	Emission Characteristics of Particulate Matter and Volatile Organic Compounds in Cow Dung Combustion. Environmental Science & Technology, 2013, 47, 12952-12957.	10.0	33

#	Article	IF	Citations
19	Development of CO2 gas cluster cleaning method and its characterization. Microelectronic Engineering, 2013, 102, 87-90.	2.4	15
20	Study on the initial velocity distribution of exhaled air from coughing and speaking. Chemosphere, 2012, 87, 1260-1264.	8.2	148
21	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
22	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
23	Novel Air Filtration Device for Building Air Handling Unit. Aerosol and Air Quality Research, 2011, 11, 570-577.	2.1	11
24	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
25	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
26	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
27	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
28	The Distribution Characteristics of Carbon Dioxide in Indoor School Spaces. Journal of Korean Society for Atmospheric Environment, 2011, 27, 117-125.	1.1	4
29	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
30	Unipolar charging of nanoparticles by the Surface-discharge Microplasma Aerosol Charger (SMAC). Journal of Nanoparticle Research, 2007, 9, 621-630.	1.9	16
31	Air Quality and PM10 Source Analysis on the Railway Vehicles. Journal of Korean Society for Atmospheric Environment, 2007, 23, 311-321.	1.1	3
32	Charge neutralization of submicron aerosols using surface-discharge microplasma. Journal of Aerosol Science, 2006, 37, 483-499.	3.8	33
33	Decomposition of Volatile Organic Compounds Using Surface-Discharge Microplasma Devices. Japanese Journal of Applied Physics, 2006, 45, 1801-1804.	1.5	9
34	Ion Beam Charging of Aerosol Nanoparticles. Aerosol Science and Technology, 2005, 39, 750-759.	3.1	5
35	Characteristics of Aerosol Charge Distribution by Surface-Discharge Microplasma Aerosol Charger (SMAC). Aerosol Science and Technology, 2005, 39, 987-1001.	3.1	18
36	Decomposition of Toluene with Surface-Discharge Microplasma Device. Japanese Journal of Applied Physics, 2005, 44, 5206-5210.	1.5	15

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37	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
38	Size-Dependent Volatility of Diesel Nanoparticles:â€‰ Chassis Dynamometer Experiments. Environmental Science & Technology, 2003, 37, 1794-1802.	10.0	64
39	Design and calibration of a 5-stage cascade impactor (K-JIST cascade impactor). Journal of Aerosol Science, 2003, 34, 289-300.	3.8	19
40	Characteristics of the collection efficiency for a double inlet cyclone with clean air. Journal of Aerosol Science, 2003, 34, 1085-1095.	3.8	59
41	Analytic Solutions to Diffusional Deposition of Polydisperse Aerosols in Fibrous Filters. Aerosol Science and Technology, 2002, 36, 742-747.	3.1	10
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	Effects of jet configuration on the performance of multi-nozzle impactors. Journal of Aerosol Science, 2002, 33, 859-869.	3.8	22
44	Wall Loss Rate of Polydispersed Aerosols. Aerosol Science and Technology, 2001, 35, 710-717.	3.1	29
45	The Origins of Nanoparticle Modes in the Number Distribution of Diesel Particulate Matter. , 0, , .		7