Kuo-Pin Yu

List of Publications by Year
in descending order

37	1,254	516710 16	361022 35
papers	citations	h-index	g-index

38	38	38	1803
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Size and Concentration of Droplets Generated by Coughing in Human Subjects. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2007, 20, 484-494.	1.2	374
2	Pt/titania-nanotube: A potential catalyst for CO2 adsorption and hydrogenation. Applied Catalysis B: Environmental, 2008, 84, 112-118.	20.2	115
3	Evaluation of impact factors on VOC emissions and concentrations from wooden flooring based on chamber tests. Building and Environment, 2009, 44, 525-533.	6.9	112
4	Indoor air pollution from gas cooking in five Taiwanese families. Building and Environment, 2015, 93, 258-266.	6.9	80
5	The correlation between photocatalytic oxidation performance and chemical/physical properties of indoor volatile organic compounds. Atmospheric Environment, 2006, 40, 375-385.	4.1	63
6	Removal of bioaerosols by the combination of a photocatalytic filter and negative air ions. Journal of Aerosol Science, 2008, 39, 377-392.	3.8	51
7	The antifungal efficacy of nano-metals supported TiO2 and ozone on the resistant Aspergillus niger spore. Journal of Hazardous Materials, 2013, 261, 155-162.	12.4	46
8	Influence of air humidity and the distance from the source on negative air ion concentration in indoor air. Science of the Total Environment, 2006, 370, 245-253.	8.0	39
9	Effectiveness of Photocatalytic Filter for Removing Volatile Organic Compounds in the Heating, Ventilation, and Air Conditioning System. Journal of the Air and Waste Management Association, 2006, 56, 666-674.	1.9	34
10	Aerosol penetration properties of an electret filter with submicron aerosols with various operating factors. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2007, 42, 51-57.	1.7	34
11	Risk assessment of inhalation exposure to polycyclic aromatic hydrocarbons in Taiwanese workers at night markets. International Archives of Occupational and Environmental Health, 2011, 84, 231-237.	2.3	31
12	Interactive effects of nonylphenol and bisphenol A exposure with oxidative stress on fetal reproductive indices. Environmental Research, 2018, 167, 567-574.	7.5	21
13	Evaluation of ozone generation and indoor organic compounds removal by air cleaners based on chamber tests. Atmospheric Environment, 2011, 45, 35-42.	4.1	20
14	Effective disinfection of airborne microbial contamination in hospital wards using a zeroâ€valent nanoâ€silver/TiO ₂ â€chitosan composite. Indoor Air, 2019, 29, 439-449.	4.3	19
15	Enhanced antimicrobial efficacy of thermal-reduced silver nanoparticles supported by titanium dioxide. Colloids and Surfaces B: Biointerfaces, 2017, 154, 195-202.	5.0	18
16	Enhancement effect of relative humidity on the formation and regional respiratory deposition of secondary organic aerosol. Journal of Hazardous Materials, 2011, 191, 94-102.	12.4	17
17	Improving the collection efficiency of the liquid impinger for ultrafine particles and viral aerosols by applying granular bed filtration. Journal of Aerosol Science, 2016, 101, 133-143.	3.8	15
18	Removal of Low-Concentration Formaldehyde by a Fiber Optic Illuminated Honeycomb Monolith Photocatalytic Reactor. Aerosol and Air Quality Research, 2015, 15, 1008-1016.	2.1	15

#	Article	IF	Citations
19	Enhancement of the deposition of ultrafine secondary organic aerosols by the negative air ion and the effect of relative humidity. Journal of the Air and Waste Management Association, 2012, 62, 1296-1304.	1.9	14
20	Effectiveness of the Nanosilver/TiO₂-Chitosan Antiviral Filter on the Removal of Viral Aerosols. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2021, 34, 293-302.	1.4	14
21	Effect of turbulence intensity and particle characteristics on the deposition of submicron particles enhanced by the ionic air purifier. Building and Environment, 2017, 114, 166-177.	6.9	12
22	Chitosan@TiO2 composites for the adsorption of copper(II) and antibacterial applications. Sustainable Environment Research, 2022, 32, .	4.2	12
23	Deposition Removal of Monodisperse and Polydisperse Submicron Particles by a Negative Air Ionizer. Aerosol and Air Quality Research, 2015, 15, 994-1007.	2.1	10
24	The Effect of Ozone on the Removal Effectiveness of Photocatalysis on Indoor Gaseous Biogenic Volatile Organic Compounds. Journal of the Air and Waste Management Association, 2010, 60, 820-829.	1.9	9
25	Effects of Oil Drops and the Charcoalâ€™s Proximate Composition on the Air Pollution Emitted from Charcoal Barbecues. Aerosol and Air Quality Research, 2020, 20, 1480-1494.	2.1	8
26	Enhanced photocatalytic activity of novel Î±-Bi2O3@g-C3N4 composites for the degradation of endocrine-disrupting benzophenone-3 in water under visible light. Sustainable Environment Research, 2022, 32, .	4.2	8
27	Removal of indoor Î±-pinene with a fiber optic illuminated honeycomb monolith photocatalytic reactor. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 1110-1115.	1.7	7
28	Novel mold-resistant building materials impregnated with thermally reduced nano-silver. Indoor Air, 2018, 28, 276-286.	4.3	7
29	Feasibility of using bed filters packed with rice-straw-based activated carbon and selected biomass waste for the control of frying fume exhaust. Environmental Science and Pollution Research, 2020, 27, 38321-38333.	5.3	7
30	Effect of selected sampling media, flow rate, and time on the sampling efficiency of a liquid impinger packed with glass beads for the collection of airborne viruses. Aerobiologia, 2021, 37, 243-252.	1.7	7
31	For the inactivation of mold spores by UVC irradiation, with ozone acting as a promoter, TiO2 nanoparticles may act better as a â€œsun blockâ€•than as a photocatalytic disinfectant. Photochemical and Photobiological Sciences, 2014, 13, 1305-1310.	2.9	6
32	Association between satellite-based estimates of long-term PM2.5 exposure and cardiovascular disease: evidence from the Indonesian Family Life Survey. Environmental Science and Pollution Research, 2022, 29, 21156-21165.	5.3	6
33	Loading characteristics of filter pretreated with anionic surfactant for monodisperse solid particles. Powder Technology, 2005, 156, 52-60.	4.2	5
34	Evaluation of PM1, PM2.5, and PM10 exposure and the resultant health risk of preschool children and their caregivers. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2019, 54, 961-971.	1.7	5
35	Removal of benzophenone aerosols by a rice straw-based activated carbon filter combined with a negative air ionizer. Journal of Environmental Chemical Engineering, 2021, 9, 105141.	6.7	5
36	Photocatalytic decomposition of indoor ozone motivated by the white-light-emitting diode. Clean Technologies and Environmental Policy, 2017, 19, 2393-2404.	4.1	4

#	Article	IF	Citations
37	Effects of roughness, dielectric constant and electrical resistivity of wall on deposition of submicron particles driven by ionic air purifier. Journal of Environmental Chemical Engineering, 2017, 5, 3108-3114.	6.7	4