

# Kuo-Pin Yu

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,254  
citations

567144

15  
h-index

360920

35  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1803  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Size and Concentration of Droplets Generated by Coughing in Human Subjects. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2007, 20, 484-494.	1.2	374
2	Pt/titania-nanotube: A potential catalyst for CO <sub>2</sub> adsorption and hydrogenation. <i>Applied Catalysis B: Environmental</i> , 2008, 84, 112-118.	10.8	115
3	Evaluation of impact factors on VOC emissions and concentrations from wooden flooring based on chamber tests. <i>Building and Environment</i> , 2009, 44, 525-533.	3.0	112
4	Indoor air pollution from gas cooking in five Taiwanese families. <i>Building and Environment</i> , 2015, 93, 258-266.	3.0	80
5	The correlation between photocatalytic oxidation performance and chemical/physical properties of indoor volatile organic compounds. <i>Atmospheric Environment</i> , 2006, 40, 375-385.	1.9	63
6	Removal of bioaerosols by the combination of a photocatalytic filter and negative air ions. <i>Journal of Aerosol Science</i> , 2008, 39, 377-392.	1.8	51
7	The antifungal efficacy of nano-metals supported TiO <sub>2</sub> and ozone on the resistant <i>Aspergillus niger</i> spore. <i>Journal of Hazardous Materials</i> , 2013, 261, 155-162.	6.5	46
8	Influence of air humidity and the distance from the source on negative air ion concentration in indoor air. <i>Science of the Total Environment</i> , 2006, 370, 245-253.	3.9	39
9	Effectiveness of Photocatalytic Filter for Removing Volatile Organic Compounds in the Heating, Ventilation, and Air Conditioning System. <i>Journal of the Air and Waste Management Association</i> , 2006, 56, 666-674.	0.9	34
10	Aerosol penetration properties of an electret filter with submicron aerosols with various operating factors. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 51-57.	0.9	34
11	Risk assessment of inhalation exposure to polycyclic aromatic hydrocarbons in Taiwanese workers at night markets. <i>International Archives of Occupational and Environmental Health</i> , 2011, 84, 231-237.	1.1	31
12	Interactive effects of nonylphenol and bisphenol A exposure with oxidative stress on fetal reproductive indices. <i>Environmental Research</i> , 2018, 167, 567-574.	3.7	21
13	Evaluation of ozone generation and indoor organic compounds removal by air cleaners based on chamber tests. <i>Atmospheric Environment</i> , 2011, 45, 35-42.	1.9	20
14	Effective disinfection of airborne microbial contamination in hospital wards using a zero-valent nano-silver/TiO <sub>2</sub> -chitosan composite. <i>Indoor Air</i> , 2019, 29, 439-449.	2.0	19
15	Enhanced antimicrobial efficacy of thermal-reduced silver nanoparticles supported by titanium dioxide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 154, 195-202.	2.5	18
16	Enhancement effect of relative humidity on the formation and regional respiratory deposition of secondary organic aerosol. <i>Journal of Hazardous Materials</i> , 2011, 191, 94-102.	6.5	17
17	Improving the collection efficiency of the liquid impinger for ultrafine particles and viral aerosols by applying granular bed filtration. <i>Journal of Aerosol Science</i> , 2016, 101, 133-143.	1.8	15
18	Removal of Low-Concentration Formaldehyde by a Fiber Optic Illuminated Honeycomb Monolith Photocatalytic Reactor. <i>Aerosol and Air Quality Research</i> , 2015, 15, 1008-1016.	0.9	15

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19	Enhancement of the deposition of ultrafine secondary organic aerosols by the negative air ion and the effect of relative humidity. <i>Journal of the Air and Waste Management Association</i> , 2012, 62, 1296-1304.	0.9	14
20	Effectiveness of the Nanosilver/TiO <sub>2</sub> -Chitosan Antiviral Filter on the Removal of Viral Aerosols. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2021, 34, 293-302.	0.7	14
21	Effect of turbulence intensity and particle characteristics on the deposition of submicron particles enhanced by the ionic air purifier. <i>Building and Environment</i> , 2017, 114, 166-177.	3.0	12
22	Chitosan@TiO <sub>2</sub> composites for the adsorption of copper(II) and antibacterial applications. <i>Sustainable Environment Research</i> , 2022, 32, .	2.1	12
23	Deposition Removal of Monodisperse and Polydisperse Submicron Particles by a Negative Air Ionizer. <i>Aerosol and Air Quality Research</i> , 2015, 15, 994-1007.	0.9	10
24	The Effect of Ozone on the Removal Effectiveness of Photocatalysis on Indoor Gaseous Biogenic Volatile Organic Compounds. <i>Journal of the Air and Waste Management Association</i> , 2010, 60, 820-829.	0.9	9
25	Effects of Oil Drops and the Charcoal's Proximate Composition on the Air Pollution Emitted from Charcoal Barbecues. <i>Aerosol and Air Quality Research</i> , 2020, 20, 1480-1494.	0.9	8
26	Enhanced photocatalytic activity of novel Bi <sub>2</sub> O <sub>3</sub> @g-C <sub>3</sub> N <sub>4</sub> composites for the degradation of endocrine-disrupting benzophenone-3 in water under visible light. <i>Sustainable Environment Research</i> , 2022, 32, .	2.1	8
27	Removal of indoor $\alpha$ -pinene with a fiber optic illuminated honeycomb monolith photocatalytic reactor. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 1110-1115.	0.9	7
28	Novel mold-resistant building materials impregnated with thermally reduced nano-silver. <i>Indoor Air</i> , 2018, 28, 276-286.	2.0	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. <i>Environmental Science and Pollution Research</i> , 2020, 27, 38321-38333.	2.7	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. <i>Aerobiologia</i> , 2021, 37, 243-252.	0.7	7
31	For the inactivation of mold spores by UVC irradiation, with ozone acting as a promoter, TiO <sub>2</sub> nanoparticles may act better as a "sun block" than as a photocatalytic disinfectant. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 1305-1310.	1.6	6
32	Association between satellite-based estimates of long-term PM <sub>2.5</sub> exposure and cardiovascular disease: evidence from the Indonesian Family Life Survey. <i>Environmental Science and Pollution Research</i> , 2022, 29, 21156-21165.	2.7	6
33	Loading characteristics of filter pretreated with anionic surfactant for monodisperse solid particles. <i>Powder Technology</i> , 2005, 156, 52-60.	2.1	5
34	Evaluation of PM <sub>1</sub> , PM <sub>2.5</sub> , and PM <sub>10</sub> exposure and the resultant health risk of preschool children and their caregivers. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2019, 54, 961-971.	0.9	5
35	Removal of benzophenone aerosols by a rice straw-based activated carbon filter combined with a negative air ionizer. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105141.	3.3	5
36	Photocatalytic decomposition of indoor ozone motivated by the white-light-emitting diode. <i>Clean Technologies and Environmental Policy</i> , 2017, 19, 2393-2404.	2.1	4

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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.	3.3	4