Wan Kuen Jo

List of Publications by Year
in descending order

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176 papers	6,207 citations	81839 39 h-index	82499 72 g-index
177 all docs	177 docs citations	177 times ranked	7170 citing authors

#	Article	IF	Citations
1	Z-scheme CdS/g-C 3 N 4 composites with RGO as an electron mediator for efficient photocatalytic H 2 production and pollutant degradation. Chemical Engineering Journal, 2017, 317, 913-924.	6.6	318
2	Influence of TiO2 morphology on the photocatalytic efficiency of direct Z-scheme g-C3N4/TiO2 photocatalysts for isoniazid degradation. Chemical Engineering Journal, 2015, 281, 549-565.	6.6	307
3	Cobalt promoted TiO2/GO for the photocatalytic degradation of oxytetracycline and Congo Red. Applied Catalysis B: Environmental, 2017, 201, 159-168.	10.8	298
4	Construction of Bi2WO6/RGO/g-C3N4 2D/2D/2D hybrid Z-scheme heterojunctions with large interfacial contact area for efficient charge separation and high-performance photoreduction of CO2 and H2O into solar fuels. Applied Catalysis B: Environmental, 2018, 239, 586-598.	10.8	278
5	New Generation Energy-Efficient Light Source for Photocatalysis: LEDs for Environmental Applications. Industrial & Engineering Chemistry Research, 2014, 53, 2073-2084.	1.8	215
6	Enhanced visible light-driven photocatalytic performance of ZnOâ€“g-C3N4 coupled with graphene oxide as a novel ternary nanocomposite. Journal of Hazardous Materials, 2015, 299, 462-470.	6.5	195
7	Facile Synthesis of Novel Redox-Mediator-free Direct Z-Scheme CaIn₂S₄ Marigold-Flower-like/TiO₂ Photocatalysts with Superior Photocatalytic Efficiency. ACS Applied Materials & Interfaces, 2015, 7, 17138-17154.	4.0	156
8	Novel CoAl-LDH/g-C3N4/RGO ternary heterojunction with notable 2D/2D/2D configuration for highly efficient visible-light-induced photocatalytic elimination of dye and antibiotic pollutants. Journal of Hazardous Materials, 2019, 368, 778-787.	6.5	149
9	Application of visible-light photocatalysis with nitrogen-doped or unmodified titanium dioxide for control of indoor-level volatile organic compounds. Journal of Hazardous Materials, 2009, 164, 360-366.	6.5	136
10	Indoor and outdoor bioaerosol levels at recreation facilities, elementary schools, and homes. Chemosphere, 2005, 61, 1570-1579.	4.2	130
11	Synthesis of MoS 2 nanosheets loaded ZnOâ€“g-C 3 N 4 nanocomposites for enhanced photocatalytic applications. Chemical Engineering Journal, 2016, 289, 306-318.	6.6	117
12	Characteristics of indoor and outdoor bioaerosols at Korean high-rise apartment buildings. Environmental Research, 2006, 101, 11-17.	3.7	110
13	Heterogeneous photocatalysis of aromatic and chlorinated volatile organic compounds (VOCs) for non-occupational indoor air application. Chemosphere, 2004, 57, 555-565.	4.2	103
14	Recent developments in photocatalytic dye degradation upon irradiation with energy-efficient light emitting diodes. Chinese Journal of Catalysis, 2014, 35, 1781-1792.	6.9	97
15	Synthesis of MoS₂ nanosheet supported Z-scheme TiO₂/g-C₃N₄ photocatalysts for the enhanced photocatalytic degradation of organic water pollutants. RSC Advances, 2016, 6, 10487-10497.	1.7	92
16	Synthesis of multiwall carbon nanotubes/TiO2 nanotube composites with enhanced photocatalytic decomposition efficiency. Catalysis Today, 2017, 282, 13-23.	2.2	92
17	N-doped C dot/CoAl-layered double hydroxide/g-C3N4 hybrid composites for efficient and selective solar-driven conversion of CO2 into CH4. Composites Part B: Engineering, 2019, 176, 107212.	5.9	86
18	Fabrication and efficient visible light photocatalytic properties of novel zinc indium sulfide (ZnIn 2 S) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 nanocomposites with enhanced charge separation via Z-scheme transfer. Journal of Colloid and Interface Science, 2016, 482, 58-72.	5.0	85

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19	Fabrication of hierarchically structured novel redox-mediator-free ZnIn₂S₄ marigold flower/Bi₂WO₆ flower-like direct Z-scheme nanocomposite photocatalysts with superior visible light photocatalytic efficiency. Physical Chemistry Chemical Physics, 2016, 18, 1000-1016.	1.3	85
20	Hierarchical flower-like NiAl-layered double hydroxide microspheres encapsulated with black Cu-doped TiO2 nanoparticles: Highly efficient visible-light-driven composite photocatalysts for environmental remediation. Journal of Hazardous Materials, 2018, 357, 19-29.	6.5	85
21	Characterization of emissions composition for selected household products available in Korea. Journal of Hazardous Materials, 2007, 148, 192-198.	6.5	80
22	Twinning and slip behaviors and microstructural evolutions of extruded Mg-1Gd alloy with rare-earth texture during tensile deformation. Journal of Alloys and Compounds, 2019, 791, 700-710.	2.8	76
23	Exposure to volatile organic compounds for individuals with occupations associated with potential exposure to motor vehicle exhaust and/or gasoline vapor emissions. Science of the Total Environment, 2001, 269, 25-37.	3.9	74
24	Plasmonic Ag nanoparticles decorated NiAl-layered double hydroxide/graphitic carbon nitride nanocomposites for efficient visible-light-driven photocatalytic removal of aqueous organic pollutants. Catalysis Today, 2018, 315, 213-222.	2.2	66
25	A green approach to the fabrication of a TiO₂/NiAl-LDH coreâ€“shell hybrid photocatalyst for efficient and selective solar-powered reduction of CO₂ into value-added fuels. Journal of Materials Chemistry A, 2020, 8, 8020-8032.	5.2	65
26	Volatile organic compound concentrations, emission rates, and source apportionment in newly-built apartments at pre-occupancy stage. Chemosphere, 2012, 89, 569-578.	4.2	64
27	Photocatalytic destruction of VOCs for in-vehicle air cleaning. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 148, 109-119.	2.0	61
28	Commuter exposure to volatile organic compounds under different driving conditions. Atmospheric Environment, 1999, 33, 409-417.	1.9	60
29	Public Bus and Taxicab Drivers' Work-Time Exposure to Aromatic Volatile Organic Compounds. Environmental Research, 2001, 86, 66-72.	3.7	59
30	Cobalt-Coordinated Sulfur-Doped Graphitic Carbon Nitride on Reduced Graphene Oxide: An Efficient Metalâ€“(N,S)â€“C-Class Bifunctional Electrocatalyst for Overall Water Splitting in Alkaline Media. ACS Sustainable Chemistry and Engineering, 2019, 7, 15373-15384.	3.2	57
31	Longitudinal variations in indoor VOC concentrations after moving into new apartments and indoor source characterization. Environmental Science and Pollution Research, 2013, 20, 3696-3707.	2.7	56
32	Heterojunction-based two-dimensional N-doped TiO 2 /WO 3 composite architectures for photocatalytic treatment of hazardous organic vapor. Journal of Hazardous Materials, 2016, 314, 22-31.	6.5	56
33	Enhanced Photocatalytic Degradation of Aqueous Nitrobenzene Using Graphitic Carbonâ€“TiO₂ Composites. Industrial & Engineering Chemistry Research, 2014, 53, 3455-3461.	1.8	55
34	Reduced graphene oxide as an efficient support for CdS-MoS2 heterostructures for enhanced photocatalytic H2 evolution. International Journal of Hydrogen Energy, 2017, 42, 16449-16458.	3.8	52
35	Granular-activated carbon adsorption followed by annular-type photocatalytic system for control of indoor aromatic compounds. Separation and Purification Technology, 2009, 66, 438-442.	3.9	51
36	Volatile pollutants emitted from selected liquid household products. Environmental Science and Pollution Research, 2008, 15, 521-526.	2.7	46

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37	Titanium dioxideâ€“graphene oxide composites with different ratios supported by Pyrex tube for photocatalysis of toxic aromatic vapors. Powder Technology, 2013, 250, 115-121.	2.1	46
38	Fabrication of photostable ternary CdS/MoS 2 /MWCNTs hybrid photocatalysts with enhanced H 2 generation activity. Applied Catalysis A: General, 2016, 525, 9-22.	2.2	44
39	Characteristics of roadside air pollution in Korean metropolitan city (Daegu) over last 5 to 6 years: Temporal variations, standard exceedances, and dependence on meteorological conditions. Chemosphere, 2005, 59, 1557-1573.	4.2	42
40	Removal of dimethyl sulfide utilizing activated carbon fiber-supported photocatalyst in continuous-flow system. Journal of Hazardous Materials, 2011, 191, 234-239.	6.5	42
41	Photodeposited-metal/CdS/ZnO heterostructures for solar photocatalytic hydrogen production under different conditions. International Journal of Hydrogen Energy, 2017, 42, 11356-11363.	3.8	42
42	Airborne Fungal and Bacterial Levels Associated With the Use of Automobile Air Conditioners or Heaters, Room Air Conditioners, and Humidifiers. Archives of Environmental and Occupational Health, 2008, 63, 101-107.	0.7	41
43	Reduced graphene oxide-mediated Z-scheme BiVO4/CdS nanocomposites for boosted photocatalytic decomposition of harmful organic pollutants. Science of the Total Environment, 2018, 635, 741-749.	3.9	41
44	Vehicle Occupantsâ€™ Exposure to Aromatic Volatile Organic Compounds While Commuting on an Urban-Suburban Route in Korea. Journal of the Air and Waste Management Association, 1996, 46, 749-754.	0.9	39
45	Adsorption and photocatalysis of 2-ethyl-1-hexanol over graphene oxideâ€“TiO2 hybrids post-treated under various thermal conditions. Applied Catalysis B: Environmental, 2016, 180, 740-750.	10.8	38
46	Synthesis of GO supported Fe₂O₃â€“TiO₂ nanocomposites for enhanced visible-light photocatalytic applications. Dalton Transactions, 2015, 44, 16024-16035.	1.6	37
47	In situ phase transformation synthesis of unique Janus Ag 2 O/Ag 2 CO 3 heterojunction photocatalyst with improved photocatalytic properties. Applied Surface Science, 2018, 445, 555-562.	3.1	37
48	Exposure Levels of Airborne Bacteria and Fungi in Korean Swine and Poultry Sheds. Archives of Environmental and Occupational Health, 2005, 60, 140-146.	0.7	36
49	Facile photocatalytic reactor development using nano-TiO 2 immobilized mosquito net and energy efficient UVLED for industrial dyes effluent treatment. Journal of Environmental Chemical Engineering, 2016, 4, 319-327.	3.3	36
50	Efficient decontamination of textile industry wastewater using a photochemically stable nâ€“n type CdSe/Ag3PO4 heterostructured nanohybrid containing metallic Ag as a mediator. Journal of Hazardous Materials, 2019, 361, 64-72.	6.5	36
51	Sustainable treatment of harmful dyeing industry pollutants using SrZnTiO3/g-C3N4 heterostructure with a light source-dependent charge transfer mechanism. Applied Catalysis B: Environmental, 2019, 242, 171-177.	10.8	36
52	Synergetic effect of adsorption on degradation of malachite green dye under blue LED irradiation using spiral-shaped photocatalytic reactor. Journal of Chemical Technology and Biotechnology, 2015, 90, 2280-2289.	1.6	35
53	Improvement of mechanical properties and reduction of yield asymmetry of extruded Mg-Al-Zn alloy through Sn addition. Journal of Alloys and Compounds, 2018, 766, 748-758.	2.8	35
54	Indoor and outdoor levels of respirable particulates (PM10) and Carbon Monoxide (CO) in high-rise apartment buildings. Atmospheric Environment, 2006, 40, 6067-6076.	1.9	34

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55	Visible-light-activated N-doped CQDs/g-C3N4/Bi2WO6 nanocomposites with different component arrangements for the promoted degradation of hazardous vapors. Journal of Materials Science and Technology, 2020, 40, 168-175.	5.6	34
56	Housewivesâ€™ exposure to volatile organic compounds relative to proximity to roadside service stations. Atmospheric Environment, 1999, 33, 2921-2928.	1.9	33
57	Boosted photocatalytic decomposition of nocuous organic gases over tricomposites of N-doped carbon quantum dots, ZnFe2O4, and BiOBr with different junctions. Journal of Hazardous Materials, 2019, 380, 120866.	6.5	32
58	Application of a photostable silver-assisted Z-scheme NiTiO3 nanorod/g-C3N4 nanocomposite for efficient hydrogen generation. International Journal of Hydrogen Energy, 2019, 44, 801-808.	3.8	32
59	Magnetically responsive SnFe2O4/g-C3N4 hybrid photocatalysts with remarkable visible-light-induced performance for degradation of environmentally hazardous substances and sustainable hydrogen production. Applied Surface Science, 2020, 506, 144939.	3.1	32
60	Cobalt- and iron-coordinated graphitic carbon nitride on reduced graphene oxide: A nonprecious bimetallic Mâ€“N â€“C analogue electrocatalyst for efficient oxygen reduction reaction in acidic media. Applied Surface Science, 2020, 531, 147367.	3.1	32
61	Concentrations of volatile organic compounds in the passenger side and the back seat of automobiles. Journal of Exposure Science and Environmental Epidemiology, 1999, 9, 217-227.	1.8	29
62	Porous g-C3N4-encapsulated TiO2 hollow sphere as a high-performance Z-scheme hybrid for solar-induced photocatalytic abatement of environmentally toxic pharmaceuticals. Journal of Materials Science and Technology, 2021, 82, 21-32.	5.6	28
63	Personal volatile organic compound (VOC) exposure of children attending elementary schools adjacent to industrial complex. Atmospheric Environment, 2004, 38, 1303-1312.	1.9	27
64	Head-space, small-chamber and in-vehicle tests for volatile organic compounds (VOCs) emitted from air fresheners for the Korean market. Chemosphere, 2008, 70, 1827-1834.	4.2	27
65	Iron-functionalized titanium dioxide on flexible glass fibers for photocatalysis of benzene, toluene, ethylbenzene, and o-xylene (BTEX) under visible- or ultraviolet-light irradiation. Journal of the Air and Waste Management Association, 2015, 65, 365-373.	0.9	26
66	Multiple photocatalytic applications of non-precious Cu-loaded g-C3N4/hydrogenated black TiO2 nanofiber heterostructure. Applied Surface Science, 2019, 473, 761-769.	3.1	26
67	Polyacrylonitrile-TiO₂ Fibers for Control of Gaseous Aromatic Compounds. Industrial & Engineering Chemistry Research, 2013, 52, 4475-4483.	1.8	25
68	Photocatalysis of sub-ppm limonene over multiwalled carbon nanotubes/titania composite nanofiber under visible-light irradiation. Journal of Hazardous Materials, 2015, 283, 680-688.	6.5	25
69	Combination of ultrasound-treated 2D g-C3N4 with Ag/black TiO2 nanostructure for improved photocatalysis. Ultrasonics Sonochemistry, 2018, 42, 517-525.	3.8	23
70	Long-Term Trends in Visibility and Its Relationship with Mortality, Air-Quality Index, and Meteorological Factors in Selected Areas of Korea. Aerosol and Air Quality Research, 2015, 15, 673-681.	0.9	23
71	In-Vehicle Exposure to Aldehydes While Commuting on Real Commuter Routes in a Korean Urban Area. Environmental Research, 2002, 88, 44-51.	3.7	22
72	Actual commuter exposure to methyl-tertiary butyl ether, benzene and toluene while traveling in Korean urban areas. Science of the Total Environment, 2002, 291, 219-228.	3.9	22

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73	Photocatalysis of low-concentration gaseous organic pollutants over electrospun iron-doped titanium dioxide nanofibers. Solid State Sciences, 2013, 25, 103-109.	1.5	22
74	g-C3N4/oxygen-deficient BiOCl nanocomposite assisted by distinguished properties of graphene quantum dots for the efficient photocatalytic removal of organic vapors. Applied Surface Science, 2019, 493, 873-881.	3.1	21
75	Highly-configured TiO2 hollow spheres adorned with N-doped carbon dots as a high-performance photocatalyst for solar-induced CO2 reduction to methane. Applied Surface Science, 2021, 563, 150292.	3.1	21
76	Control of Methyl Tertiary-Butyl Ether via Carbon-Doped Photocatalysts under Visible-Light Irradiation. Environmental Engineering Research, 2012, 17, 179-184.	1.5	21
77	Elemental composition and source characterization of airborne PM10 at residences with relative proximities to metal-industrial complex. International Archives of Occupational and Environmental Health, 2006, 80, 40-50.	1.1	20
78	Magnetically sensitive TiO2 hollow sphere/Fe3O4 core-shell hybrid catalyst for high-performance sunlight-assisted photocatalytic degradation of aqueous antibiotic pollutants. Journal of Alloys and Compounds, 2022, 902, 163612.	2.8	20
79	Workplace exposure to bioaerosols in pet shops, pet clinics, and flower gardens. Chemosphere, 2006, 65, 1755-1761.	4.2	18
80	Vertical variability of volatile organic compound (VOC) levels in ambient air of high-rise apartment buildings with and without occurrence of surface inversion. Atmospheric Environment, 2002, 36, 5645-5652.	1.9	17
81	Comparison of outdoor and indoor mobile source-related volatile organic compounds between low- and high-floor apartments. Environmental Research, 2003, 92, 166-171.	3.7	17
82	Multi-route trihalomethane exposure in households using municipal tap water treated with chlorine or ozoneâ€“chlorine. Science of the Total Environment, 2005, 339, 143-152.	3.9	17
83	2D graphene-assisted low-cost metal (Ag, Cu, Fe, or Ni)-doped TiO2 nanowire architectures for enhanced hydrogen generation. Journal of Alloys and Compounds, 2018, 765, 106-112.	2.8	17
84	Evaluation of exposure to carbon monoxide associated with passive smoking. Environmental Research, 2004, 94, 309-318.	3.7	16
85	Noble metal free Fe and Cr dual-doped nanocrystalline titania (Ti1â^'xâ^'yMx+yO2) for high selective photocatalytic conversion of benzene to phenol at ambient temperature. Applied Catalysis A: General, 2018, 565, 1-12.	2.2	16
86	Polymer material-supported titania nanofibers with different polyvinylpyrrolidone to TiO2 ratios for degradation of vaporous trichloroethylene. Journal of Industrial and Engineering Chemistry, 2014, 20, 1010-1015.	2.9	15
87	LED Irradiation of a Photocatalyst for Benzene, Toluene, Ethyl benzene, and Xylene Decomposition. Chinese Journal of Catalysis, 2012, 33, 1672-1680.	6.9	14
88	Multi-year evaluation of ambient volatile organic compounds: temporal variation, ozone formation, meteorological parameters, and sources. Environmental Monitoring and Assessment, 2015, 187, 27.	1.3	14
89	Enhanced Photocatalysis of Graphene and TiO₂ Dual-Coupled Carbon Nanofibers Post-treated at Various Temperatures. Industrial & Engineering Chemistry Research, 2016, 55, 45-53.	1.8	14
90	Twoâ€dimensional Mixed Phase Leafâ€Ti_{1â€x}Cu_xO₂ Sheets Synthesized Based on a Natural Leaf Template for Increased Photocatalytic H₂ Evolution. ChemCatChem, 2018, 10, 3813-3823.	1.8	14

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91	Cuâ€“Ni coreâ€“shell bimetallic cocatalyst decorated polymeric carbon nitride for highly efficient and selective methane production from photocatalytic CO2 reduction. Applied Surface Science, 2022, 599, 153973.	3.1	14
92	Exposure to Methyl Tertiary Butyl Ether and Benzene in Close Proximity to Service Stations. Journal of the Air and Waste Management Association, 2001, 51, 1122-1128.	0.9	13
93	Exposure to volatile organic compounds in residences adjacent to dyeing industrial complex. International Archives of Occupational and Environmental Health, 2004, 77, 113-120.	1.1	13
94	Aluminum sheet-based S-doped TiO2 for photocatalytic decomposition of toxic organic vapors. Chinese Journal of Catalysis, 2014, 35, 1189-1195.	6.9	13
95	Microstructural evolution of extruded AZ31 alloy with bimodal structure during compression. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 702, 1-9.	2.6	13
96	Purification of aromatic hydrocarbons using Agâ€“multiwall carbon nanotubeâ€“ZnO nanocomposites with high performance. Journal of Industrial and Engineering Chemistry, 2017, 47, 94-101.	2.9	13
97	Continuous photocatalytic mitigation of indoor noxious gases over a Z-scheme g-C3N4/V2O5 monolithic structure. Building and Environment, 2019, 161, 106235.	3.0	13
98	FeWO4/g-C3N4 heterostructures decorated with N-doped graphene quantum dots prepared under various sonication conditions for efficient removal of noxious vapors. Ceramics International, 2020, 46, 11346-11356.	2.3	13
99	Concentrations of volatile organic compounds in automobiles' cabins while commuting along a Korean urban area. Environment International, 1998, 24, 259-265.	4.8	12
100	Naphthalene emissions from moth repellents or toilet deodorant blocks determined using head-space and small-chamber tests. Journal of Environmental Sciences, 2008, 20, 1012-1017.	3.2	12
101	Visible-light-induced photocatalysis of low-level methyl-tertiary butyl ether (MTBE) and trichloroethylene (TCE) using element-doped titanium dioxide. Building and Environment, 2010, 45, 819-824.	3.0	12
102	Feasibility of Lightâ€emitting Diode Uses for Annular Reactor Innerâ€coated with TiO₂ or Nitrogenâ€doped TiO₂ for Control of Dimethyl Sulfide. Photochemistry and Photobiology, 2011, 87, 1016-1023.	1.3	12
103	(Ratios: 5, 10, 50, 100, and 200) Polyanilineâ€“TiO2 composites under visible- or UV-light irradiation forÂdecomposition of organic vapors. Materials Chemistry and Physics, 2013, 143, 247-255.	2.0	12
104	Personal exposure of graduate students attending the college of natural sciences or social sciences to volatile organic compounds on campus. Chemosphere, 2010, 81, 1272-1279.	4.2	11
105	Applicability of a continuous-flow system inner-coated with S-doped titania for the photocatalysis of dimethyl sulfide at low concentrations. Journal of Environmental Management, 2010, 91, 2059-2065.	3.8	11
106	Photocatalytic performance of cylindrical reactor inserted with UV light-emitting-diodes for purification of low-level toxic volatile organic compounds. Applied Surface Science, 2012, 259, 657-663.	3.1	11
107	Coupling of titania with multiwall carbon nanotubes for decomposition of gas-phase pollutants under simulated indoor conditions. Journal of the Air and Waste Management Association, 2013, 63, 963-970.	0.9	11
108	Titania Nanotubes Grown on Carbon Fibers for Photocatalytic Decomposition of Gas-Phase Aromatic Pollutants. Materials, 2014, 7, 1801-1813.	1.3	11

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109	Enhanced Photocatalytic Efficiency of Nâ€“F-Co-Embedded Titania under Visible Light Exposure for Removal of Indoor-Level Pollutants. Materials, 2015, 8, 31-41.	1.3	11
110	Photocatalytic H₂ Production Using Semiconductor Nanomaterials via Water Splitting â€“ An Overview. Advanced Materials Research, 0, 1116, 130-156.	0.3	11
111	NiO/nanoporous carbon heterogeneous Fenton catalyst for aqueous microcystine-LR decomposition. Journal of the Taiwan Institute of Chemical Engineers, 2017, 74, 289-295.	2.7	11
112	Application of ultrasound-aided method for the synthesis of CdS-incorporated three-dimensional TiO2 photocatalysts with enhanced performance. Ultrasonics Sonochemistry, 2017, 35, 440-448.	3.8	11
113	Application of Fibrous Activated Carbon Filter in Continuous-Flow Unit for Removal of Volatile Organic Compounds under Simulated Indoor Conditions. Aerosol and Air Quality Research, 2014, 14, 347-354.	0.9	11
114	Volatile organic compound concentrations in newly built apartment buildings during pre- and post-occupancy stages. International Journal of Environmental Analytical Chemistry, 2014, 94, 356-369.	1.8	10
115	Natural leaf-assisted dual-phase two-dimensional leaf TiO2 and Cu(OH)2 co-catalyst for photocatalytic conversion of benzene to phenol. Materials Research Bulletin, 2019, 110, 67-75.	2.7	10
116	In-Vehicle Levels of Naphthalene and Monocyclic Aromatic Compounds According to Vehicle Type. Environmental Engineering Research, 2009, 14, 180-185.	1.5	10
117	Worker Exposure to Aromatic Volatile Organic Compounds in Dry Cleaning Stores. AIHAJ: A Journal for the Science of Occupational and Environmental Health and Safety, 2001, 62, 466-471.	0.4	9
118	Evaluation of CO exposure in active smokers while smoking using breath analysis technique. Chemosphere, 2003, 53, 207-216.	4.2	9
119	Photocatalytic Oxidation of Low-Level Airborne 2-Propanol and Trichloroethylene over Titania Irradiated with Bulb-Type Light-Emitting Diodes. Materials, 2013, 6, 265-278.	1.3	9
120	Coupling of graphene oxide into titania for purification of gaseous toluene under different operational conditions. Vacuum, 2014, 99, 22-25.	1.6	9
121	Direct Blue Dye Degradation Using Titanium Nanostructures Under Energy-Efficient UV-LED Irradiation. Journal of Materials Engineering and Performance, 2016, 25, 83-90.	1.2	9
122	Mitigation of harmful indoor organic vapors using plug-flow unit coated with 2D g-C3N4 and metallic Cu dual-incorporated 1D titania heterostructure. Chemosphere, 2018, 202, 184-190.	4.2	9
123	2D reduced graphene oxideâ€“titania nanocomposites synthesized under different hydrothermal conditions for treatment of hazardous organic pollutants. Particuology, 2018, 36, 165-173.	2.0	9
124	Worker Exposure to Aromatic Volatile Organic Compounds in Dry Cleaning Stores. AIHA Journal, 2001, 62, 466-471.	0.4	9
125	Structurally engineered vitamin B12 on graphene as a bioinspired metalâ€“Nâ€“C-based electrocatalyst for effective overall water splitting in alkaline media. Applied Surface Science, 2022, 575, 151729.	3.1	9
126	Feasibility of a tandem photocatalytic oxidationâ€“adsorption system for removal of monoaromatic compounds at concentrations in the sub-ppm-range. Chemosphere, 2009, 77, 236-241.	4.2	8

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127	Visibleâ€lightâ€activated photocatalysis of malodorous dimethyl disulphide using nitrogenâ€enhanced TiO₂. Environmental Technology (United Kingdom), 2010, 31, 575-584.	1.2	8
128	Three-Dimensional TiO2 Structures Incorporated with Tungsten Oxide for Treatment of Toxic Aromatic Volatile Compounds. Catalysts, 2017, 7, 97.	1.6	8
129	Application of Stack Emissions Data from Tele-Monitoring Systems for Characterization of Industrial Emissions of Air Pollutants. Aerosol and Air Quality Research, 2011, 11, 412-418.	0.9	8
130	Characteristics of Urban Ground-Level Ozone in Korea. Journal of the Air and Waste Management Association, 1999, 49, 1425-1433.	0.9	7
131	Photocatalytic decomposition of mobile-source related pollutants using a continuous-flow reactor. Journal of Environmental Sciences, 2010, 22, 460-466.	3.2	7
132	Pb isotopic ratios in airborne PM10 of an iron/metal industrial complex area and nearby residential areas: Implications for ambient sources of Pb pollution. Atmospheric Research, 2011, 99, 462-470.	1.8	7
133	Iron-impregnated titania composites for the decomposition of low-concentration aromatic organic pollutants under UV and visible light irradiation. Chinese Journal of Catalysis, 2013, 34, 2209-2216.	6.9	7
134	Characteristics of Atmospheric Visibility and Its Relationship with Air Pollution in Korea. Journal of Environmental Quality, 2014, 43, 1519-1526.	1.0	7
135	Simplified sonochemical preparation of titania embedded with selected metals for purification of benzene and toluene. Ultrasonics Sonochemistry, 2016, 28, 250-256.	3.8	7
136	Grain-Refined AZ92 Alloy with Superior Strength and Ductility. Metals and Materials International, 2018, 24, 730-737.	1.8	7
137	A porous activated carbon supported Pt catalyst for the oxidative degradation of poly[(naphthaleneformaldehyde)sulfonate]. Journal of the Taiwan Institute of Chemical Engineers, 2018, 93, 289-297.	2.7	7
138	Size-dependent selectivity and activity of highly dispersed sub-nanometer Pt clusters integrated with P25 for CO2 photoreduction into methane fuel. Applied Surface Science, 2022, 584, 152532.	3.1	7
139	Decomposition of gasâ€phase aromatic hydrocarbons by applying an annularâ€type reactor coated with sulfurâ€doped photocatalyst under visibleâ€light irradiation. Journal of Chemical Technology and Biotechnology, 2010, 85, 485-492.	1.6	6
140	Purification of aromatic hydrocarbons via fibrous activated carbon/photocatalytic composite coupled with UV light-emitting diodes. Environmental Technology (United Kingdom), 2013, 34, 1175-1181.	1.2	6
141	Heterogeneous Decomposition of Volatile Organic Compounds by Visible-Light Activated N, C, S-Embedded Titania. Journal of Nanoscience and Nanotechnology, 2016, 16, 4544-4553.	0.9	6
142	Evaluation of Atmospheric Volatile Organic Compound Characteristics in Specific Areas in Korea Using Long-Term Monitoring Data. Environmental Engineering Research, 2012, 17, 103-110.	1.5	6
143	Naphthalene and benzene levels in microenvironments associated with potential exposure: new and old apartments with moth repellents, and cabins of passenger cars. International Journal of Environmental Analytical Chemistry, 2011, 91, 1412-1424.	1.8	5
144	Visible-light-responsive carbon-embedded photocatalyst coupled with plug-flow reactor for decomposition of vaporous aromatics. Chinese Journal of Catalysis, 2013, 34, 1256-1261.	6.9	5

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145	Degradation of gas-phase organic contaminants via nitrogen-embedded one-dimensional rod-shaped titania in a plug-flow reactor. Environmental Technology (United Kingdom), 2014, 35, 2132-2139.	1.2	5
146	Efficient photocatalysis of organic vapors using graphitic carbon nitride and iron dual-coupled ZnO nanocomposites. Journal of the Taiwan Institute of Chemical Engineers, 2017, 74, 211-217.	2.7	5
147	Photocatalysis of Low Concentration of Gaseous-Phase Benzene Using Visible-Light Irradiated N-doped and S-doped Titanium Dioxide. Environmental Engineering Research, 2008, 13, 171-176.	1.5	5
148	Degradation of Chlorinated Hydrocarbons via a Light-Emitting Diode Derived Photocatalyst. Environmental Engineering Research, 2013, 18, 21-28.	1.5	5
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