

# Wan Kuen Jo

## List of Publications by Year in descending order

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176  
papers

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citations

81839

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177  
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177  
docs citations

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times ranked

7170  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Metal- and non-metal-incorporated vitamin B12 on graphene as a bio-derived electrocatalyst for the high-performance oxygen reduction reaction in acidic media. Journal of Alloys and Compounds, 2022, 912, 165118.	2.8	4
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
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	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

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19	Twinning and slip behaviors and microstructural evolutions of extruded Mg-1Gd alloy with rare-earth texture during tensile deformation. <i>Journal of Alloys and Compounds</i> , 2019, 791, 700-710.	2.8	76
20	Efficient decontamination of textile industry wastewater using a photochemically stable n-type CdSe/Ag <sub>3</sub> PO <sub>4</sub> heterostructured nanohybrid containing metallic Ag as a mediator. <i>Journal of Hazardous Materials</i> , 2019, 361, 64-72.	6.5	36
21	Multiple photocatalytic applications of non-precious Cu-loaded g-C <sub>3</sub> N <sub>4</sub> /hydrogenated black TiO <sub>2</sub> nanofiber heterostructure. <i>Applied Surface Science</i> , 2019, 473, 761-769.	3.1	26
22	Natural leaf-assisted dual-phase two-dimensional leaf TiO <sub>2</sub> and Cu(OH) <sub>2</sub> co-catalyst for photocatalytic conversion of benzene to phenol. <i>Materials Research Bulletin</i> , 2019, 110, 67-75.	2.7	10
23	Application of a photostable silver-assisted Z-scheme NiTiO <sub>3</sub> nanorod/g-C <sub>3</sub> N <sub>4</sub> nanocomposite for efficient hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 801-808.	3.8	32
24	Bioaerosols in Apartment Buildings. , 2019, , 307-314.		0
25	Sustainable treatment of harmful dyeing industry pollutants using SrZnTiO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> heterostructure with a light source-dependent charge transfer mechanism. <i>Applied Catalysis B: Environmental</i> , 2019, 242, 171-177.	10.8	36
26	Plasmonic Ag nanoparticles decorated NiAl-layered double hydroxide/graphitic carbon nitride nanocomposites for efficient visible-light-driven photocatalytic removal of aqueous organic pollutants. <i>Catalysis Today</i> , 2018, 315, 213-222.	2.2	66
27	Reduced graphene oxide-mediated Z-scheme BiVO <sub>4</sub> /CdS nanocomposites for boosted photocatalytic decomposition of harmful organic pollutants. <i>Science of the Total Environment</i> , 2018, 635, 741-749.	3.9	41
28	Grain-Refined AZ92 Alloy with Superior Strength and Ductility. <i>Metals and Materials International</i> , 2018, 24, 730-737.	1.8	7
29	In situ phase transformation synthesis of unique Janus Ag <sub>2</sub> O/Ag <sub>2</sub> CO <sub>3</sub> heterojunction photocatalyst with improved photocatalytic properties. <i>Applied Surface Science</i> , 2018, 445, 555-562.	3.1	37
30	Mitigation of harmful indoor organic vapors using plug-flow unit coated with 2D g-C <sub>3</sub> N <sub>4</sub> and metallic Cu dual-incorporated 1D titania heterostructure. <i>Chemosphere</i> , 2018, 202, 184-190.	4.2	9
31	Combination of ultrasound-treated 2D g-C <sub>3</sub> N <sub>4</sub> with Ag/black TiO <sub>2</sub> nanostructure for improved photocatalysis. <i>Ultrasonics Sonochemistry</i> , 2018, 42, 517-525.	3.8	23
32	Coupling copper and hydrogenated TiO <sub>2</sub> to bare TiO <sub>2</sub> structures for improved photocatalytic performance. <i>Journal of the American Ceramic Society</i> , 2018, 101, 1479-1487.	1.9	3
33	2D reduced graphene oxide-titania nanocomposites synthesized under different hydrothermal conditions for treatment of hazardous organic pollutants. <i>Particuology</i> , 2018, 36, 165-173.	2.0	9
34	Hierarchical flower-like NiAl-layered double hydroxide microspheres encapsulated with black Cu-doped TiO <sub>2</sub> nanoparticles: Highly efficient visible-light-driven composite photocatalysts for environmental remediation. <i>Journal of Hazardous Materials</i> , 2018, 357, 19-29.	6.5	85
35	2D graphene-assisted low-cost metal (Ag, Cu, Fe, or Ni)-doped TiO <sub>2</sub> nanowire architectures for enhanced hydrogen generation. <i>Journal of Alloys and Compounds</i> , 2018, 765, 106-112.	2.8	17
36	Two-dimensional Mixed Phase Leaf-like Ti <sub>1-x</sub> Cu <sub>x</sub> O <sub>2</sub> Sheets Synthesized Based on a Natural Leaf Template for Increased Photocatalytic H <sub>2</sub> Evolution. <i>ChemCatChem</i> , 2018, 10, 3813-3823.	1.8	14

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37	Noble metal free Fe and Cr dual-doped nanocrystalline titania ( $Ti_{1-x}Mx+yO_2$ ) for high selective photocatalytic conversion of benzene to phenol at ambient temperature. <i>Applied Catalysis A: General</i> , 2018, 565, 1-12.	2.2	16
38	Improvement of mechanical properties and reduction of yield asymmetry of extruded Mg-Al-Zn alloy through Sn addition. <i>Journal of Alloys and Compounds</i> , 2018, 766, 748-758.	2.8	35
39	A porous activated carbon supported Pt catalyst for the oxidative degradation of poly[(naphthaleneformaldehyde)sulfonate]. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 289-297.	2.7	7
40	Construction of $Bi_2WO_6/RGO/g-C_3N_4$ 2D/2D/2D hybrid Z-scheme heterojunctions with large interfacial contact area for efficient charge separation and high-performance photoreduction of $CO_2$ and $H_2O$ into solar fuels. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 586-598.	10.8	278
41	Upgraded organic vapor treatment and hydrogen generation using low-cost metal/1D black titania nanocomposites under simulated solar irradiation. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 66, 318-324.	2.9	2
42	Evaluation of Oxidation Efficiency of Aromatic Volatile Hydrocarbons using Visible-light-activated One-Dimensional Metal Oxide Doping Semiconductor Nanomaterials prepared by Ultrasonic-assisted Hydrothermal Synthesis. <i>Journal of Environmental Science International</i> , 2018, 27, 967-974.	0.0	0
43	Synthesis of multiwall carbon nanotubes/ $TiO_2$ nanotube composites with enhanced photocatalytic decomposition efficiency. <i>Catalysis Today</i> , 2017, 282, 13-23.	2.2	92
44	Z-scheme $CdS/g-C_3N_4$ composites with RGO as an electron mediator for efficient photocatalytic $H_2$ production and pollutant degradation. <i>Chemical Engineering Journal</i> , 2017, 317, 913-924.	6.6	318
45	Efficient photocatalysis of organic vapors using graphitic carbon nitride and iron dual-coupled $ZnO$ nanocomposites. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 74, 211-217.	2.7	5
46	Reduced graphene oxide as an efficient support for $CdS-MoS_2$ heterostructures for enhanced photocatalytic $H_2$ evolution. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 16449-16458.	3.8	52
47	Photodeposited-metal/ $CdS/ZnO$ heterostructures for solar photocatalytic hydrogen production under different conditions. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 11356-11363.	3.8	42
48	$NiO$ /nanoporous carbon heterogeneous Fenton catalyst for aqueous microcystine-LR decomposition. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 74, 289-295.	2.7	11
49	Visible light-driven decomposition of $\alpha$ -pinene and toluene over N and Fe dual-doped one-dimensional titania nanostructures with improved efficiency. <i>Materials Research Bulletin</i> , 2017, 94, 313-321.	2.7	4
50	Microstructural evolution of extruded AZ31 alloy with bimodal structure during compression. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 702, 1-9.	2.6	13
51	Application of ultrasound-aided method for the synthesis of $CdS$ -incorporated three-dimensional $TiO_2$ photocatalysts with enhanced performance. <i>Ultrasonics Sonochemistry</i> , 2017, 35, 440-448.	3.8	11
52	Purification of aromatic hydrocarbons using $Ag@$ multiwall carbon nanotube $@ZnO$ nanocomposites with high performance. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 47, 94-101.	2.9	13
53	Cobalt promoted $TiO_2/GO$ for the photocatalytic degradation of oxytetracycline and Congo Red. <i>Applied Catalysis B: Environmental</i> , 2017, 201, 159-168.	10.8	298
54	Three-Dimensional $TiO_2$ Structures Incorporated with Tungsten Oxide for Treatment of Toxic Aromatic Volatile Compounds. <i>Catalysts</i> , 2017, 7, 97.	1.6	8

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55	Fabrication of photostable ternary CdS/MoS <sub>2</sub> /MWCNTs hybrid photocatalysts with enhanced H <sub>2</sub> generation activity. Applied Catalysis A: General, 2016, 525, 9-22.	2.2	44
56	Heterojunction-based two-dimensional N-doped TiO <sub>2</sub> /WO <sub>3</sub> composite architectures for photocatalytic treatment of hazardous organic vapor. Journal of Hazardous Materials, 2016, 314, 22-31.	6.5	56
57	Fabrication and efficient visible light photocatalytic properties of novel zinc indium sulfide (ZnIn <sub>2</sub> S <sub>4</sub> ) <sub>1</sub> /TiO <sub>2</sub> nanocomposites with enhanced charge separation via Z-scheme transfer. Journal of Colloid and Interface Science, 2016, 482, 58-72.	5.0	85
58	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
59	Synthesis of MoS <sub>2</sub> nanosheet supported Z-scheme TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> photocatalysts for the enhanced photocatalytic degradation of organic water pollutants. RSC Advances, 2016, 6, 10487-10497.	1.7	92
60	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
61	Synthesis of MoS <sub>2</sub> nanosheets loaded ZnO@g-C <sub>3</sub> N <sub>4</sub> nanocomposites for enhanced photocatalytic applications. Chemical Engineering Journal, 2016, 289, 306-318.	6.6	117
62	Enhanced Photocatalysis of Graphene and TiO <sub>2</sub> Dual-Coupled Carbon Nanofibers Post-treated at Various Temperatures. Industrial & Engineering Chemistry Research, 2016, 55, 45-53.	1.8	14
63	Facile photocatalytic reactor development using nano-TiO <sub>2</sub> immobilized mosquito net and energy efficient UVLED for industrial dyes effluent treatment. Journal of Environmental Chemical Engineering, 2016, 4, 319-327.	3.3	36
64	Fabrication of hierarchically structured novel redox-mediator-free ZnIn <sub>2</sub> S <sub>4</sub> /marigold flower/Bi <sub>2</sub> WO <sub>6</sub> flower-like direct Z-scheme nanocomposite photocatalysts with superior visible light photocatalytic efficiency. Physical Chemistry Chemical Physics, 2016, 18, 1000-1016.	1.3	85
65	Simplified sonochemical preparation of titania embedded with selected metals for purification of benzene and toluene. Ultrasonics Sonochemistry, 2016, 28, 250-256.	3.8	7
66	Adsorption and photocatalysis of 2-ethyl-1-hexanol over graphene oxide@TiO <sub>2</sub> hybrids post-treated under various thermal conditions. Applied Catalysis B: Environmental, 2016, 180, 740-750.	10.8	38
67	Spatial and long-term temporal assessment of organic hazardous air pollutants and their comparative health risks. International Journal of Environmental Science and Technology, 2015, 12, 3929-3942.	1.8	4
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	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
70	Enhanced Photocatalytic Efficiency of F-Co-Embedded Titania under Visible Light Exposure for Removal of Indoor-Level Pollutants. Materials, 2015, 8, 31-41.	1.3	11
71	Enhanced visible light-driven photocatalytic performance of ZnO@g-C <sub>3</sub> N <sub>4</sub> coupled with graphene oxide as a novel ternary nanocomposite. Journal of Hazardous Materials, 2015, 299, 462-470.	6.5	195
72	Influence of TiO <sub>2</sub> morphology on the photocatalytic efficiency of direct Z-scheme g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> photocatalysts for isoniazid degradation. Chemical Engineering Journal, 2015, 281, 549-565.	6.6	307

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73	Facile Synthesis of Novel Redox-Mediator-free Direct Z-Scheme $\text{CaIn}_2\text{S}_4$ /Marigold-Flower-like/ $\text{TiO}_2$ Photocatalysts with Superior Photocatalytic Efficiency. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 17138-17154.	4.0	156
74	Iron-functionalized titanium dioxide on flexible glass fibers for photocatalysis of benzene, toluene, ethylbenzene, and <i>o</i> -xylene (BTEX) under visible- or ultraviolet-light irradiation. <i>Journal of the Air and Waste Management Association</i> , 2015, 65, 365-373.	0.9	26
75	Multi-year evaluation of ambient volatile organic compounds: temporal variation, ozone formation, meteorological parameters, and sources. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 27.	1.3	14
76	Synthesis of GO supported $\text{Fe}_2\text{O}_3$ - $\text{TiO}_2$ nanocomposites for enhanced visible-light photocatalytic applications. <i>Dalton Transactions</i> , 2015, 44, 16024-16035.	1.6	37
77	One-dimensional titania nanotubes annealed at various temperatures for the photocatalytic degradation of low concentration gaseous pollutants. <i>Particuology</i> , 2015, 19, 86-92.	2.0	4
78	Long-Term Trends in Visibility and Its Relationship with Mortality, Air-Quality Index, and Meteorological Factors in Selected Areas of Korea. <i>Aerosol and Air Quality Research</i> , 2015, 15, 673-681.	0.9	23
79	Visible Light- or UV-Activated Carbon Nanotube- $\text{TiO}_2$ Composite Nanofibers for Indoor BTEX Purification. <i>Asian Journal of Chemistry</i> , 2014, 26, 1803-1807.	0.1	4
80	Photocatalysis of Vaporous Organic Pollutants Using Bead-Shaped Titania Grown on Carbon Fiber. <i>Asian Journal of Chemistry</i> , 2014, 26, 1599-1603.	0.1	0
81	Combined Nanofibers of Carbon Nanotube, Titania and Polymer Substrate for Oxidation of Toluene and Isopropyl Alcohol. <i>Asian Journal of Chemistry</i> , 2014, 26, 1607-1610.	0.1	1
82	Characteristics of Atmospheric Visibility and Its Relationship with Air Pollution in Korea. <i>Journal of Environmental Quality</i> , 2014, 43, 1519-1526.	1.0	7
83	Volatile organic compound concentrations in newly built apartment buildings during pre- and post-occupancy stages. <i>International Journal of Environmental Analytical Chemistry</i> , 2014, 94, 356-369.	1.8	10
84	Titania Nanotubes Grown on Carbon Fibers for Photocatalytic Decomposition of Gas-Phase Aromatic Pollutants. <i>Materials</i> , 2014, 7, 1801-1813.	1.3	11
85	Recent developments in photocatalytic dye degradation upon irradiation with energy-efficient light emitting diodes. <i>Chinese Journal of Catalysis</i> , 2014, 35, 1781-1792.	6.9	97
86	Application of Glass Fiber-Based N-Doped Titania under Visible-Light Exposure for Photocatalytic Degradation of Aromatic Pollutants. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-9.	1.4	1
87	Polymer material-supported titania nanofibers with different polyvinylpyrrolidone to $\text{TiO}_2$ ratios for degradation of vaporous trichloroethylene. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1010-1015.	2.9	15
88	Degradation of gas-phase organic contaminants via nitrogen-embedded one-dimensional rod-shaped titania in a plug-flow reactor. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 2132-2139.	1.2	5
89	Aluminum sheet-based S-doped $\text{TiO}_2$ for photocatalytic decomposition of toxic organic vapors. <i>Chinese Journal of Catalysis</i> , 2014, 35, 1189-1195.	6.9	13
90	Enhanced Photocatalytic Degradation of Aqueous Nitrobenzene Using Graphitic Carbon- $\text{TiO}_2$ Composites. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 3455-3461.	1.8	55



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91	New Generation Energy-Efficient Light Source for Photocatalysis: LEDs for Environmental Applications. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 2073-2084.	1.8	215
92	Coupling of graphene oxide into titania for purification of gaseous toluene under different operational conditions. <i>Vacuum</i> , 2014, 99, 22-25.	1.6	9
93	Application of Fibrous Activated Carbon Filter in Continuous-Flow Unit for Removal of Volatile Organic Compounds under Simulated Indoor Conditions. <i>Aerosol and Air Quality Research</i> , 2014, 14, 347-354.	0.9	11
94	Longitudinal variations in indoor VOC concentrations after moving into new apartments and indoor source characterization. <i>Environmental Science and Pollution Research</i> , 2013, 20, 3696-3707.	2.7	56
95	Polyacrylonitrile-TiO <sub>2</sub> Fibers for Control of Gaseous Aromatic Compounds. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 4475-4483.	1.8	25
96	Adsorption backup following light-emitting diode-irradiated photocatalytic unit for control of low-degraded toxic gaseous compounds. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 658-663.	1.2	0
97	(Ratios: 5, 10, 50, 100, and 200) Polyaniline-TiO <sub>2</sub> composites under visible- or UV-light irradiation for decomposition of organic vapors. <i>Materials Chemistry and Physics</i> , 2013, 143, 247-255.	2.0	12
98	Purification of aromatic hydrocarbons via fibrous activated carbon/photocatalytic composite coupled with UV light-emitting diodes. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 1175-1181.	1.2	6
99	Titanium dioxide-graphene oxide composites with different ratios supported by Pyrex tube for photocatalysis of toxic aromatic vapors. <i>Powder Technology</i> , 2013, 250, 115-121.	2.1	46
100	Iron-impregnated titania composites for the decomposition of low-concentration aromatic organic pollutants under UV and visible light irradiation. <i>Chinese Journal of Catalysis</i> , 2013, 34, 2209-2216.	6.9	7
101	Visible-light-responsive carbon-embedded photocatalyst coupled with plug-flow reactor for decomposition of vaporous aromatics. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1256-1261.	6.9	5
102	Photocatalysis of low-concentration gaseous organic pollutants over electrospun iron-doped titanium dioxide nanofibers. <i>Solid State Sciences</i> , 2013, 25, 103-109.	1.5	22
103	Coupling of titania with multiwall carbon nanotubes for decomposition of gas-phase pollutants under simulated indoor conditions. <i>Journal of the Air and Waste Management Association</i> , 2013, 63, 963-970.	0.9	11
104	Photocatalytic Oxidation of Low-Level Airborne 2-Propanol and Trichloroethylene over Titania Irradiated with Bulb-Type Light-Emitting Diodes. <i>Materials</i> , 2013, 6, 265-278.	1.3	9
105	Utilization of Carbon-Embedded Photocatalysts Prepared at Different Oxidation Conditions for Gaseous Methyl Tertiary-butyl ether Decomposition. <i>Asian Journal of Chemistry</i> , 2013, 25, 5833-5837.	0.1	0
106	Surface Characteristics and Photocatalytic Gas Degradation of Nonmetal Element-Doped Titania. <i>Asian Journal of Chemistry</i> , 2013, 25, 5811-5815.	0.1	0
107	Performance of C,N-Impregnated Photocatalyst Coupled with Continuous- Flow Reactor for Removal of Gaseous Aromatic Pollutants. <i>Asian Journal of Chemistry</i> , 2013, 25, 5805-5810.	0.1	0
108	Multi-Year PAH Behaviours in Atmospheric Particulates According to Land-Use Type. <i>Aerosol and Air Quality Research</i> , 2013, 13, 721-729.	0.9	4

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109	Degradation of Chlorinated Hydrocarbons via a Light-Emitting Diode Derived Photocatalyst. <i>Environmental Engineering Research</i> , 2013, 18, 21-28.	1.5	5
110	Temporal Characteristics of Volatile Organic Compounds in Newly-Constructed Residential Buildings: Concentration and Source. <i>Environmental Engineering Research</i> , 2013, 18, 169-176.	1.5	5
111	Feasibility of Carbonaceous Nanomaterial-Assisted Photocatalysts Calcined at Different Temperatures for Indoor Air Applications. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-9.	1.4	3
112	Volatile organic compound concentrations, emission rates, and source apportionment in newly-built apartments at pre-occupancy stage. <i>Chemosphere</i> , 2012, 89, 569-578.	4.2	64
113	Photocatalytic performance of cylindrical reactor inserted with UV light-emitting-diodes for purification of low-level toxic volatile organic compounds. <i>Applied Surface Science</i> , 2012, 259, 657-663.	3.1	11
114	LED Irradiation of a Photocatalyst for Benzene, Toluene, Ethyl benzene, and Xylene Decomposition. <i>Chinese Journal of Catalysis</i> , 2012, 33, 1672-1680.	6.9	14
115	Evaluation of Atmospheric Volatile Organic Compound Characteristics in Specific Areas in Korea Using Long-Term Monitoring Data. <i>Environmental Engineering Research</i> , 2012, 17, 103-110.	1.5	6
116	Control of Methyl Tertiary-Butyl Ether via Carbon-Doped Photocatalysts under Visible-Light Irradiation. <i>Environmental Engineering Research</i> , 2012, 17, 179-184.	1.5	21
117	Purification of BTEX at Indoor Air Levels Using Carbon and Nitrogen Co-Doped Titania under Different Conditions. <i>Journal of Environmental Science International</i> , 2012, 21, 1321-1331.	0.0	2
118	Naphthalene and benzene levels in microenvironments associated with potential exposure: new and old apartments with moth repellents, and cabins of passenger cars. <i>International Journal of Environmental Analytical Chemistry</i> , 2011, 91, 1412-1424.	1.8	5
119	Pb isotopic ratios in airborne PM10 of an iron/metal industrial complex area and nearby residential areas: Implications for ambient sources of Pb pollution. <i>Atmospheric Research</i> , 2011, 99, 462-470.	1.8	7
120	Alternative Use of Light Emitting Diodes in an Activated Charcoal-Supported Photocatalyst Reactor for the Control of Volatile Organic Compounds. <i>Chinese Journal of Catalysis</i> , 2011, 32, 756-761.	6.9	4
121	Feasibility of Light-Emitting Diode Uses for Annular Reactor Inner-Coated with TiO <sub>2</sub> or Nitrogen-doped TiO <sub>2</sub> for Control of Dimethyl Sulfide. <i>Photochemistry and Photobiology</i> , 2011, 87, 1016-1023.	1.3	12
122	Removal of dimethyl sulfide utilizing activated carbon fiber-supported photocatalyst in continuous-flow system. <i>Journal of Hazardous Materials</i> , 2011, 191, 234-239.	6.5	42
123	Utilization of Fin-Installed Annular Reactors Coated with Visible Light- or Ultraviolet-Driven Photocatalysts for Removal of Gas-Phase Monocyclic Aromatic Compounds. <i>Environmental Engineering Science</i> , 2011, 28, 43-51.	0.8	3
124	Personal Exposure to Selected Volatile Hydrocarbons for Graduate Students Attending Colleges of Natural Sciences and Social Sciences. <i>Epidemiology</i> , 2011, 22, S271.	1.2	0
125	Application of Stack Emissions Data from Tele-Monitoring Systems for Characterization of Industrial Emissions of Air Pollutants. <i>Aerosol and Air Quality Research</i> , 2011, 11, 412-418.	0.9	8
126	Decomposition of gas-phase aromatic hydrocarbons by applying an annular-type reactor coated with sulfur-doped photocatalyst under visible-light irradiation. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 485-492.	1.6	6



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127	Visible-light-induced photocatalysis of low-level methyl-tertiary butyl ether (MTBE) and trichloroethylene (TCE) using element-doped titanium dioxide. <i>Building and Environment</i> , 2010, 45, 819-824.	3.0	12
128	Photocatalytic decomposition of mobile-source related pollutants using a continuous-flow reactor. <i>Journal of Environmental Sciences</i> , 2010, 22, 460-466.	3.2	7
129	Personal exposure of graduate students attending the college of natural sciences or social sciences to volatile organic compounds on campus. <i>Chemosphere</i> , 2010, 81, 1272-1279.	4.2	11
130	Applicability of a continuous-flow system inner-coated with S-doped titania for the photocatalysis of dimethyl sulfide at low concentrations. <i>Journal of Environmental Management</i> , 2010, 91, 2059-2065.	3.8	11
131	Visible-light-activated photocatalysis of malodorous dimethyl disulphide using nitrogen-enhanced TiO <sub>2</sub> . <i>Environmental Technology (United Kingdom)</i> , 2010, 31, 575-584.	1.2	8
132	Utilization of Element-doping Titania-impregnated Granular Activated Carbon in a Plug-flow System for Removal of BTEX. <i>Asian Journal of Atmospheric Environment</i> , 2010, 4, 177-188.	0.4	0
133	Determination of emission characteristics of volatile compounds from mosquito repellents (MRs) by headspace and chamber methods, and indoor levels related to use of MRs. <i>International Journal of Environmental Analytical Chemistry</i> , 2009, 89, 1125-1137.	1.8	0
134	Application of visible-light photocatalysis with nitrogen-doped or unmodified titanium dioxide for control of indoor-level volatile organic compounds. <i>Journal of Hazardous Materials</i> , 2009, 164, 360-366.	6.5	136
135	Granular-activated carbon adsorption followed by annular-type photocatalytic system for control of indoor aromatic compounds. <i>Separation and Purification Technology</i> , 2009, 66, 438-442.	3.9	51
136	Feasibility of a tandem photocatalytic oxidation-adsorption system for removal of monoaromatic compounds at concentrations in the sub-ppm-range. <i>Chemosphere</i> , 2009, 77, 236-241.	4.2	8
137	In-Vehicle Levels of Naphthalene and Monocyclic Aromatic Compounds According to Vehicle Type. <i>Environmental Engineering Research</i> , 2009, 14, 180-185.	1.5	10
138	Volatile pollutants emitted from selected liquid household products. <i>Environmental Science and Pollution Research</i> , 2008, 15, 521-526.	2.7	46
139	Naphthalene emissions from moth repellents or toilet deodorant blocks determined using head-space and small-chamber tests. <i>Journal of Environmental Sciences</i> , 2008, 20, 1012-1017.	3.2	12
140	Head-space, small-chamber and in-vehicle tests for volatile organic compounds (VOCs) emitted from air fresheners for the Korean market. <i>Chemosphere</i> , 2008, 70, 1827-1834.	4.2	27
141	Airborne Fungal and Bacterial Levels Associated With the Use of Automobile Air Conditioners or Heaters, Room Air Conditioners, and Humidifiers. <i>Archives of Environmental and Occupational Health</i> , 2008, 63, 101-107.	0.7	41
142	Photocatalysis of Low Concentration of Gaseous-Phase Benzene Using Visible-Light Irradiated N-doped and S-doped Titanium Dioxide. <i>Environmental Engineering Research</i> , 2008, 13, 171-176.	1.5	5
143	Photocatalysis of o-, m- and p-Xylene Using Element-Enhanced Visible-Light Driven Titanium Dioxide. <i>Journal of Environmental Science International</i> , 2008, 17, 1195-1201.	0.0	0
144	Characterization of emissions composition for selected household products available in Korea. <i>Journal of Hazardous Materials</i> , 2007, 148, 192-198.	6.5	80

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145	Characteristics of indoor and outdoor bioaerosols at Korean high-rise apartment buildings. <i>Environmental Research</i> , 2006, 101, 11-17.	3.7	110
146	Workplace exposure to bioaerosols in pet shops, pet clinics, and flower gardens. <i>Chemosphere</i> , 2006, 65, 1755-1761.	4.2	18
147	Elemental composition and source characterization of airborne PM10 at residences with relative proximities to metal-industrial complex. <i>International Archives of Occupational and Environmental Health</i> , 2006, 80, 40-50.	1.1	20
148	Indoor and outdoor levels of respirable particulates (PM10) and Carbon Monoxide (CO) in high-rise apartment buildings. <i>Atmospheric Environment</i> , 2006, 40, 6067-6076.	1.9	34
149	Multi-route trihalomethane exposure in households using municipal tap water treated with chlorine or ozone—chlorine. <i>Science of the Total Environment</i> , 2005, 339, 143-152.	3.9	17
150	Analysis of Roadside Inhalable Particulate Matter (PM10) in Major Korean Cities. <i>Environmental Management</i> , 2005, 36, 826-841.	1.2	3
151	Exposure Levels of Airborne Bacteria and Fungi in Korean Swine and Poultry Sheds. <i>Archives of Environmental and Occupational Health</i> , 2005, 60, 140-146.	0.7	36
152	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. <i>Chemosphere</i> , 2005, 59, 1557-1573.	4.2	42
153	Indoor and outdoor bioaerosol levels at recreation facilities, elementary schools, and homes. <i>Chemosphere</i> , 2005, 61, 1570-1579.	4.2	130
154	Destruction of Volatile Organic Compounds Using Photocatalyst-Coated Construction Materials. <i>Journal of Environmental Science International</i> , 2005, 14, 785-792.	0.0	0
155	Personal volatile organic compound (VOC) exposure of children attending elementary schools adjacent to industrial complex. <i>Atmospheric Environment</i> , 2004, 38, 1303-1312.	1.9	27
156	Exposure to volatile organic compounds in residences adjacent to dyeing industrial complex. <i>International Archives of Occupational and Environmental Health</i> , 2004, 77, 113-120.	1.1	13
157	Evaluation of exposure to carbon monoxide associated with passive smoking. <i>Environmental Research</i> , 2004, 94, 309-318.	3.7	16
158	Heterogeneous photocatalysis of aromatic and chlorinated volatile organic compounds (VOCs) for non-occupational indoor air application. <i>Chemosphere</i> , 2004, 57, 555-565.	4.2	103
159	Evaluation of CO exposure in active smokers while smoking using breath analysis technique. <i>Chemosphere</i> , 2003, 53, 207-216.	4.2	9
160	Comparison of outdoor and indoor mobile source-related volatile organic compounds between low- and high-floor apartments. <i>Environmental Research</i> , 2003, 92, 166-171.	3.7	17
161	In-Vehicle Exposure to Aldehydes While Commuting on Real Commuter Routes in a Korean Urban Area. <i>Environmental Research</i> , 2002, 88, 44-51.	3.7	22
162	Actual commuter exposure to methyl-tertiary butyl ether, benzene and toluene while traveling in Korean urban areas. <i>Science of the Total Environment</i> , 2002, 291, 219-228.	3.9	22

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163	Vertical variability of volatile organic compound (VOC) levels in ambient air of high-rise apartment buildings with and without occurrence of surface inversion. <i>Atmospheric Environment</i> , 2002, 36, 5645-5652.	1.9	17
164	Photocatalytic destruction of VOCs for in-vehicle air cleaning. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 148, 109-119.	2.0	61
165	Public Bus and Taxicab Drivers' Work-Time Exposure to Aromatic Volatile Organic Compounds. <i>Environmental Research</i> , 2001, 86, 66-72.	3.7	59
166	Exposure to volatile organic compounds for individuals with occupations associated with potential exposure to motor vehicle exhaust and/or gasoline vapor emissions. <i>Science of the Total Environment</i> , 2001, 269, 25-37.	3.9	74
167	Exposure to Methyl Tertiary Butyl Ether and Benzene in Close Proximity to Service Stations. <i>Journal of the Air and Waste Management Association</i> , 2001, 51, 1122-1128.	0.9	13
168	Worker Exposure to Aromatic Volatile Organic Compounds in Dry Cleaning Stores. <i>AIHAJ: A Journal for the Science of Occupational and Environmental Health and Safety</i> , 2001, 62, 466-471.	0.4	9
169	Worker Exposure to Aromatic Volatile Organic Compounds in Dry Cleaning Stores. <i>AIHA Journal</i> , 2001, 62, 466-471.	0.4	9
170	Concentrations of volatile organic compounds in the passenger side and the back seat of automobiles. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 1999, 9, 217-227.	1.8	29
171	Commuter exposure to volatile organic compounds under different driving conditions. <i>Atmospheric Environment</i> , 1999, 33, 409-417.	1.9	60
172	Housewives's™ exposure to volatile organic compounds relative to proximity to roadside service stations. <i>Atmospheric Environment</i> , 1999, 33, 2921-2928.	1.9	33
173	Characteristics of Urban Ground-Level Ozone in Korea. <i>Journal of the Air and Waste Management Association</i> , 1999, 49, 1425-1433.	0.9	7
174	Concentrations of volatile organic compounds in automobiles' cabins while commuting along a Korean urban area. <i>Environment International</i> , 1998, 24, 259-265.	4.8	12
175	Vehicle Occupants's™ Exposure to Aromatic Volatile Organic Compounds While Commuting on an Urban-Suburban Route in Korea. <i>Journal of the Air and Waste Management Association</i> , 1996, 46, 749-754.	0.9	39
176	Photocatalytic H <sub>2</sub> Production Using Semiconductor Nanomaterials via Water Splitting – An Overview. <i>Advanced Materials Research</i> , 0, 1116, 130-156.	0.3	11