Wonyong Choi

List of Publications by Year
in descending order

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409 papers	57,990 citations	1172 111 h-index	1051 234 g-index
419 all docs	419 docs citations	419 times ranked	40310 citing authors

#	Article	IF	Citations
1	Photocatalytic mechanisms and photocatalyst deactivation during the degradation of 5-fluorouracil in water. Catalysis Today, 2023, 410, 45-55.	4.4	6
2	Fe2O3 nanorods on carbon nanofibers induce spontaneous reductive transformation of inorganic contaminants in ambient aerated water. Chemical Engineering Journal, 2022, 429, 132108.	12.7	1
3	Freezing-induced activation of the binary chloride-Oxone system to free chlorine and its application in water treatment. Chemical Engineering Journal, 2022, 428, 131134.	12.7	7
4	The First Year of ACS ES&T Engineering. ACS ES&T Engineering, 2022, 2, 1-2.	7.6	0
5	Highlighting the Works of Our Editorial Boards of ACS ES&T Engineering. ACS ES&T Engineering, 2022, 2, 526-526.	7.6	0
6	Designing Eco-functional Redox Conversions Integrated in Environmental Photo(electro)catalysis. ACS ES&T Engineering, 2022, 2, 1116-1129.	7.6	14
7	Synergistic Coupling of Fe₂O₃ and Carbon Paper that Enables Photocatalytic Mineralization of Organic Contaminants in the Absence of Chemical Oxidants under Visible Light. ACS ES&T Engineering, 2022, 2, 232-241.	7.6	3
8	High-Valent Iron Redox-Mediated Photoelectrochemical Water Oxidation. ACS Energy Letters, 2022, 7, 59-66.	17.4	10
9	Freezeâ€“Thaw Cycle-Enhanced Transformation of Iodide to Organoiodine Compounds in the Presence of Natural Organic Matter and Fe(III). Environmental Science & Technology, 2022, 56, 1007-1016.	10.0	17
10	Cobaltâ€“Copper Nanoparticles on Three-Dimensional Substrate for Efficient Ammonia Synthesis via Electrocatalytic Nitrate Reduction. Journal of Physical Chemistry C, 2022, 126, 6982-6989.	3.1	18
11	ACS ES&T Engineeringâ€™s Inaugural Excellence in Review Awards for 2021. ACS ES&T Engineering, 2022, 2, 726-727.	7.6	0
12	Solar Energy Utilization and Photo(electro)catalysis for Sustainable Environment. ACS ES&T Engineering, 2022, 2, 940-941.	7.6	2
13	Launch of ACS ES&T Engineering and Redefining Environmental Engineering. ACS ES&T Engineering, 2021, 1, 1-2.	7.6	1
14	Photoconversion of Cyanide to Dinitrogen Using the Durable Electrode of a TaON Overlayer-Deposited WO₃ Film and Visible Light. ACS ES&T Engineering, 2021, 1, 228-238.	7.6	15
15	Photocatalytic activity enhancement of PDI supermolecular via Ï€-Ï€ action and energy level adjusting with graphene quantum dots. Applied Catalysis B: Environmental, 2021, 281, 119547.	20.2	104
16	Complexes of Fe(III)-organic pollutants that directly activate Fenton-like processes under visible light. Applied Catalysis B: Environmental, 2021, 283, 119663.	20.2	87
17	Confronting Racism in Chemistry Journals. ACS ES&T Engineering, 2021, 1, 3-5.	7.6	0
18	Confronting Racism in Chemistry Journals. ACS ES&T Water, 2021, 1, 3-5.	4.6	0

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19	Solar photoelectrochemical synthesis of electrolyte-free H₂O₂ aqueous solution without needing electrical bias and H₂. Energy and Environmental Science, 2021, 14, 3110-3119.	30.8	37
20	Synergistic effect of Sn doping and hydrogenation on hematite electrodes for photoelectrochemical water oxidation. Materials Chemistry Frontiers, 2021, 5, 6592-6602.	5.9	7
21	Introducing the Inaugural Editorial Board of ACS ES&T Engineering. ACS ES&T Engineering, 2021, 1, 154-156.	7.6	0
22	Photoelectrocatalysis as a high-efficiency platform for pulping wastewater treatment and energy production. Chemical Engineering Journal, 2021, 412, 128612.	12.7	49
23	Photocatalytic air purification mimicking the self-cleaning process of the atmosphere. Nature Communications, 2021, 12, 2528.	12.8	89
24	Crystal phase-dependent generation of mobile OH radicals on TiO2: Revisiting the photocatalytic oxidation mechanism of anatase and rutile. Applied Catalysis B: Environmental, 2021, 286, 119905.	20.2	61
25	Mechanistic analysis of multiple processes controlling solar-driven H2O2 synthesis using engineered polymeric carbon nitride. Nature Communications, 2021, 12, 3701.	12.8	175
26	Quantitative Photoelectrochemical Conversion of Ammonium to Dinitrogen Using a Bromide-Mediated Redox Cycle. ACS ES&T Engineering, 2021, 1, 1287-1297.	7.6	13
27	Fouling of TiO2 induced by natural organic matters during photocatalytic water treatment: Mechanisms and regeneration strategy. Applied Catalysis B: Environmental, 2021, 294, 120252.	20.2	60
28	Photocatalytic production of H2O2 from water and dioxygen only under visible light using organic polymers: Systematic study of the effects of heteroatoms. Applied Catalysis B: Environmental, 2021, 299, 120666.	20.2	22
29	Self-wetting triphase photocatalysis for effective and selective removal of hydrophilic volatile organic compounds in air. Nature Communications, 2021, 12, 6259.	12.8	50
30	Bifunctional Carbon Nitride Exhibiting both Enhanced Photoactivity and Residual Catalytic Activity in the Post-Irradiation Dark Period. ACS Catalysis, 2021, 11, 14941-14955.	11.2	28
31	How g-C₃N₄ Works and Is Different from TiO₂ as an Environmental Photocatalyst: Mechanistic View. Environmental Science & Technology, 2020, 54, 497-506.	10.0	76
32	Halide-induced dissolution of lead(IV) oxide in frozen solution. Journal of Hazardous Materials, 2020, 384, 121298.	12.4	4
33	Spontaneous oxidation of arsenite on platinized TiO2 through activating molecular oxygen under ambient aqueous condition. Applied Catalysis B: Environmental, 2020, 260, 118146.	20.2	16
34	A highly active, robust photocatalyst heterogenized in discrete cages of metalâ€"organic polyhedra for CO₂ reduction. Energy and Environmental Science, 2020, 13, 519-526.	30.8	59
35	Single-atom platinum confined by the interlayer nanospace of carbon nitride for efficient photocatalytic hydrogen evolution. Nano Energy, 2020, 69, 104409.	16.0	185
36	Confronting Racism in Chemistry Journals. ACS Pharmacology and Translational Science, 2020, 3, 559-561.	4.9	0

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37	Confronting Racism in Chemistry Journals. Biochemistry, 2020, 59, 2313-2315.	2.5	0
38	Entangled iodine and hydrogen peroxide formation in ice. Physical Chemistry Chemical Physics, 2020, 22, 16532-16535.	2.8	1
39	Confronting Racism in Chemistry Journals. Langmuir, 2020, 36, 7155-7157.	3.5	0
40	Editorial Confronting Racism in Chemistry Journals. , 2020, 2, 829-831.		0
41	Confronting Racism in Chemistry Journals. Journal of Physical Chemistry Letters, 2020, 11, 5279-5281.	4.6	1
42	Confronting Racism in Chemistry Journals. ACS Applied Energy Materials, 2020, 3, 6016-6018.	5.1	0
43	Confronting Racism in Chemistry Journals. ACS Central Science, 2020, 6, 1012-1014.	11.3	1
44	Confronting Racism in Chemistry Journals. Industrial & Engineering Chemistry Research, 2020, 59, 11915-11917.	3.7	0
45	Holey Pt Nanosheets on NiFe-Hydroxide Laminates: Synergistically Enhanced Electrocatalytic 2D Interface toward Hydrogen Evolution Reaction. ACS Nano, 2020, 14, 10578-10588.	14.6	66
46	Confronting Racism in Chemistry Journals. Journal of Natural Products, 2020, 83, 2057-2059.	3.0	0
47	Confronting Racism in Chemistry Journals. ACS Medicinal Chemistry Letters, 2020, 11, 1354-1356.	2.8	0
48	Confronting Racism in Chemistry Journals. Journal of the American Society for Mass Spectrometry, 2020, 31, 1321-1323.	2.8	1
49	Confronting Racism in Chemistry Journals. Energy & Fuels, 2020, 34, 7771-7773.	5.1	0
50	Confronting Racism in Chemistry Journals. ACS Sensors, 2020, 5, 1858-1860.	7.8	0
51	Confronting Racism in Chemistry Journals. ACS Nano, 2020, 14, 7675-7677.	14.6	2
52	Cr(VI) Formation via Oxyhalide-Induced Oxidative Dissolution of Chromium Oxide/Hydroxide in Aqueous and Frozen Solution. Environmental Science & Technology, 2020, 54, 14413-14421.	10.0	14
53	Heteroatom Dopants Promote Twoâ€Electron O₂ Reduction for Photocatalytic Production of H₂O₂ on Polymeric Carbon Nitride. Angewandte Chemie, 2020, 132, 16343-16351.	2.0	59
54	Heteroatom Dopants Promote Twoâ€Electron O₂ Reduction for Photocatalytic Production of H₂O₂ on Polymeric Carbon Nitride. Angewandte Chemie - International Edition, 2020, 59, 16209-16217.	13.8	270

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55	Selective electroreduction of CO2 to acetone by single copper atoms anchored on N-doped porous carbon. Nature Communications, 2020, 11, 2455.	12.8	265
56	Confronting Racism in Chemistry Journals. Journal of Chemical Theory and Computation, 2020, 16, 4003-4005.	5.3	0
57	Confronting Racism in Chemistry Journals. Journal of Organic Chemistry, 2020, 85, 8297-8299.	3.2	0
58	Confronting Racism in Chemistry Journals. Analytical Chemistry, 2020, 92, 8625-8627.	6.5	0
59	Confronting Racism in Chemistry Journals. Journal of Chemical Education, 2020, 97, 1695-1697.	2.3	0
60	Confronting Racism in Chemistry Journals. Organic Process Research and Development, 2020, 24, 1215-1217.	2.7	0
61	Confronting Racism in Chemistry Journals. ACS Sustainable Chemistry and Engineering, 2020, 8, .	6.7	0
62	Confronting Racism in Chemistry Journals. Chemistry of Materials, 2020, 32, 5369-5371.	6.7	0
63	Confronting Racism in Chemistry Journals. Chemical Research in Toxicology, 2020, 33, 1511-1513.	3.3	0
64	Confronting Racism in Chemistry Journals. Inorganic Chemistry, 2020, 59, 8639-8641.	4.0	0
65	Confronting Racism in Chemistry Journals. ACS Applied Nano Materials, 2020, 3, 6131-6133.	5.0	0
66	Confronting Racism in Chemistry Journals. ACS Applied Polymer Materials, 2020, 2, 2496-2498.	4.4	0
67	Confronting Racism in Chemistry Journals. ACS Chemical Biology, 2020, 15, 1719-1721.	3.4	0
68	Confronting Racism in Chemistry Journals. Organic Letters, 2020, 22, 4919-4921.	4.6	4
69	Confronting Racism in Chemistry Journals. ACS Applied Materials & Interfaces, 2020, 12, 28925-28927.	8.0	13
70	Confronting Racism in Chemistry Journals. Crystal Growth and Design, 2020, 20, 4201-4203.	3.0	1
71	Confronting Racism in Chemistry Journals. Chemical Reviews, 2020, 120, 5795-5797.	47.7	2
72	Confronting Racism in Chemistry Journals. ACS Catalysis, 2020, 10, 7307-7309.	11.2	1

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73	Confronting Racism in Chemistry Journals. Biomacromolecules, 2020, 21, 2543-2545.	5.4	0
74	Confronting Racism in Chemistry Journals. Journal of Medicinal Chemistry, 2020, 63, 6575-6577.	6.4	0
75	Confronting Racism in Chemistry Journals. Macromolecules, 2020, 53, 5015-5017.	4.8	0
76	Confronting Racism in Chemistry Journals. Nano Letters, 2020, 20, 4715-4717.	9.1	5
77	Confronting Racism in Chemistry Journals. Organometallics, 2020, 39, 2331-2333.	2.3	0
78	Confronting Racism in Chemistry Journals. Journal of the American Chemical Society, 2020, 142, 11319-11321.	13.7	1
79	Confronting Racism in Chemistry Journals. Accounts of Chemical Research, 2020, 53, 1257-1259.	15.6	0
80	Confronting Racism in Chemistry Journals. Journal of Physical Chemistry A, 2020, 124, 5271-5273.	2.5	0
81	Confronting Racism in Chemistry Journals. ACS Energy Letters, 2020, 5, 2291-2293.	17.4	0
82	Confronting Racism in Chemistry Journals. Journal of Chemical Information and Modeling, 2020, 60, 3325-3327.	5.4	0
83	Confronting Racism in Chemistry Journals. Journal of Proteome Research, 2020, 19, 2911-2913.	3.7	0
84	Confronting Racism in Chemistry Journals. Journal of Physical Chemistry B, 2020, 124, 5335-5337.	2.6	1
85	Confronting Racism in Chemistry Journals. Bioconjugate Chemistry, 2020, 31, 1693-1695.	3.6	0
86	Confronting Racism in Chemistry Journals. ACS Synthetic Biology, 2020, 9, 1487-1489.	3.8	0
87	Confronting Racism in Chemistry Journals. Journal of Chemical & Engineering Data, 2020, 65, 3403-3405.	1.9	0
88	Photocatalytic activity enhanced via surface hybridization. , 2020, 2, 308-349.		68
89	Ag(I) ions working as a hole-transfer mediator in photoelectrocatalytic water oxidation on WO3 film. Nature Communications, 2020, 11, 967.	12.8	66
90	Nafion-Assisted Noncovalent Assembly of Molecular Sensitizers and Catalysts for Sustained Photoreduction of CO₂ to CO. ACS Sustainable Chemistry and Engineering, 2020, 8, 3709-3717.	6.7	10

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91	Highly durable photoelectrochemical H₂O₂ production via dual photoanode and cathode processes under solar simulating and external bias-free conditions. Energy and Environmental Science, 2020, 13, 1730-1742.	30.8	73
92	Freezing-enhanced non-radical oxidation of organic pollutants by peroxymonosulfate. Chemical Engineering Journal, 2020, 388, 124226.	12.7	17
93	Production of Reactive Oxygen Species by the Reaction of Periodate and Hydroxylamine for Rapid Removal of Organic Pollutants and Waterborne Bacteria. Environmental Science & Technology, 2020, 54, 6427-6437.	10.0	138
94	Substrate-specific mineralization and deactivation behaviors of TiO2 as an air-cleaning photocatalyst. Applied Catalysis B: Environmental, 2020, 275, 119145.	20.2	56
95	Confronting Racism in Chemistry Journals. ACS Biomaterials Science and Engineering, 2020, 6, 3690-3692.	5.2	1
96	Confronting Racism in Chemistry Journals. ACS Omega, 2020, 5, 14857-14859.	3.5	1
97	Confronting Racism in Chemistry Journals. ACS Applied Electronic Materials, 2020, 2, 1774-1776.	4.3	0
98	Confronting Racism in Chemistry Journals. Journal of Agricultural and Food Chemistry, 2020, 68, 6941-6943.	5.2	0
99	Confronting Racism in Chemistry Journals. ACS Earth and Space Chemistry, 2020, 4, 961-963.	2.7	0
100	Confronting Racism in Chemistry Journals. Environmental Science and Technology Letters, 2020, 7, 447-449.	8.7	0
101	Confronting Racism in Chemistry Journals. ACS Combinatorial Science, 2020, 22, 327-329.	3.8	0
102	Confronting Racism in Chemistry Journals. ACS Infectious Diseases, 2020, 6, 1529-1531.	3.8	0
103	Confronting Racism in Chemistry Journals. ACS Applied Bio Materials, 2020, 3, 3925-3927.	4.6	0
104	Confronting Racism in Chemistry Journals. Journal of Physical Chemistry C, 2020, 124, 14069-14071.	3.1	0
105	Confronting Racism in Chemistry Journals. ACS Macro Letters, 2020, 9, 1004-1006.	4.8	0
106	Confronting Racism in Chemistry Journals. Molecular Pharmaceutics, 2020, 17, 2229-2231.	4.6	1
107	Confronting Racism in Chemistry Journals. ACS Chemical Neuroscience, 2020, 11, 1852-1854.	3.5	1
108	Confronting Racism in Chemistry Journals. ACS Photonics, 2020, 7, 1586-1588.	6.6	0

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109	Confronting Racism in Chemistry Journals. Environmental Science & Technology, 2020, 54, 7735-7737.	10.0	0
110	Confronting Racism in Chemistry Journals. Journal of Chemical Health and Safety, 2020, 27, 198-200.	2.1	0
111	Organometallic Iridium(III) Complex Sensitized Ternary Hybrid Photocatalyst for CO 2 to CO Conversion. Chemistry - A European Journal, 2019, 25, 13609-13623.	3.3	14
112	Ambient-temperature catalytic degradation of aromatic compounds on iron oxide nanorods supported on carbon nanofiber sheet. Applied Catalysis B: Environmental, 2019, 259, 118066.	20.2	21
113	OH radicals determined photocatalytic degradation mechanisms of gaseous styrene in TiO2 system under 254 nm versus 185 nm irradiation: Combined experimental and theoretical studies. Applied Catalysis B: Environmental, 2019, 257, 117912.	20.2	84
114	In Situ Photoelectrochemical Chloride Activation Using a WO₃ Electrode for Oxidative Treatment with Simultaneous H₂ Evolution under Visible Light. Environmental Science & Technology, 2019, 53, 9926-9936.	10.0	80
115	Alkali-metal-oxides coated ultrasmall Pt sub-nanoparticles loading on intercalated carbon nitride: Enhanced charge interlayer transportation and suppressed backwark reaction for overall water splitting. Journal of Catalysis, 2019, 377, 72-80.	6.2	30
116	Modeling the Sources and Chemistry of Polar Tropospheric Halogens (Cl, Br, and I) Using the CAMâ€Chem Global Chemistryâ€Climate Model. Journal of Advances in Modeling Earth Systems, 2019, 11, 2259-2289.	3.8	31
117	Two-dimensional materials in semiconductor photoelectrocatalytic systems for water splitting. Energy and Environmental Science, 2019, 12, 59-95.	30.8	373
118	Understanding the relative efficacies and versatile roles of 2D conductive nanosheets in hybrid-type photocatalyst. Applied Catalysis B: Environmental, 2019, 257, 117875.	20.2	19
119	Two-dimensional RuO₂ nanosheets as robust catalysts for peroxymonosulfate activation. Environmental Science: Nano, 2019, 6, 2084-2093.	4.3	33
120	Abiotic Formation of Humic-Like Substances through Freezing-Accelerated Reaction of Phenolic Compounds and Nitrite. Environmental Science & Technology, 2019, 53, 7410-7418.	10.0	22
121	Simultaneous and Synergic Production of Bioavailable Iron and Reactive Iodine Species in Ice. Environmental Science & Technology, 2019, 53, 7355-7362.	10.0	19
122	Nitrite-Induced Activation of Iodate into Molecular Iodine in Frozen Solution. Environmental Science & Technology, 2019, 53, 4892-4900.	10.0	31
123	Tripletâ€"Triplet Annihilation Upconversion in Broadly Absorbing Layered Film Systems for Sub-Bandgap Photocatalysis. ACS Applied Materials & Interfaces, 2019, 11, 13304-13318.	8.0	29
124	Spontaneous Generation of H₂O₂ and Hydroxyl Radical through O₂ Reduction on Copper Phosphide under Ambient Aqueous Condition. Environmental Science & Technology, 2019, 53, 2918-2925.	10.0	88
125	Modified carbon nitride nanozyme as bifunctional glucose oxidase-peroxidase for metal-free bioinspired cascade photocatalysis. Nature Communications, 2019, 10, 940.	12.8	349
126	Status and challenges in photocatalytic nanotechnology for cleaning air polluted with volatile organic compounds: visible light utilization and catalyst deactivation. Environmental Science: Nano, 2019, 6, 3185-3214.	4.3	124

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127	The Technology Horizon for Photocatalytic Water Treatment: Sunrise or Sunset?. Environmental Science & Technology, 2019, 53, 2937-2947.	10.0	493
128	Air-water interfacial fluidic sonolysis in superhydrophobic silicon-nanowire-embedded system for fast water treatment. Chemical Engineering Journal, 2019, 358, 1594-1600.	12.7	13
129	Electrocatalytic cogeneration of reactive oxygen species for synergistic water treatment. Chemical Engineering Journal, 2019, 358, 497-503.	12.7	11
130	Homogeneous photocatalytic Fe3+/Fe2+ redox cycle for simultaneous Cr(VI) reduction and organic pollutant oxidation: Roles of hydroxyl radical and degradation intermediates. Journal of Hazardous Materials, 2019, 372, 121-128.	12.4	82
131	Enhanced photocatalytic mechanism of Ag3PO4 nano-sheets using MS2 (Mâ€¯=â€¯Mo, W)/rGO hybrids as co-catalysts for 4-nitrophenol degradation in water. Applied Catalysis B: Environmental, 2018, 232, 11-18.	20.2	75
132	Ï€â€“Ï€ Interaction Between Metalâ€“Organic Framework and Reduced Graphene Oxide for Visible-Light Photocatalytic H‹sub›2‹/sub› Production. ACS Applied Energy Materials, 2018, 1, 1913-1923.	5.1	168
133	Polymeric Carbon Nitride with Localized Aluminum Coordination Sites as a Durable and Efficient Photocatalyst for Visible Light Utilization. ACS Catalysis, 2018, 8, 4241-4256.	11.2	118
134	Activation of peroxymonosulfate on visible light irradiated TiO2 via a charge transfer complex path. Chemical Engineering Journal, 2018, 346, 249-257.	12.7	85
135	Mechanisms of Photocatalytic Molecular Hydrogen and Molecular Oxygen Evolution over La-Doped NaTaO‹sub›3‹/sub› Particles: Effect of Different Cocatalysts and Their Specific Activity. ACS Catalysis, 2018, 8, 2313-2325.	11.2	46
136	Photocatalytic hydrogen peroxide production by anthraquinone-augmented polymeric carbon nitride. Applied Catalysis B: Environmental, 2018, 229, 121-129.	20.2	171
137	Selective charge transfer to dioxygen on KPF6-modified carbon nitride for photocatalytic synthesis of H2O2 under visible light. Journal of Catalysis, 2018, 357, 51-58.	6.2	89
138	Oxidation of organic pollutants by peroxymonosulfate activated with low-temperature-modified nanodiamonds: Understanding the reaction kinetics and mechanism. Applied Catalysis B: Environmental, 2018, 237, 432-441.	20.2	161
139	Visible light-induced catalytic activation of peroxymonosulfate using heterogeneous surface complexes of amino acids on TiO2. Applied Catalysis B: Environmental, 2018, 225, 406-414.	20.2	51
140	Visible light-photosensitized oxidation of organic pollutants using amorphous peroxo-titania. Applied Catalysis B: Environmental, 2018, 225, 487-495.	20.2	27
141	Dual-components modified TiO2 with Pt and fluoride as deactivation-resistant photocatalyst for the degradation of volatile organic compound. Applied Catalysis B: Environmental, 2018, 220, 1-8.	20.2	125
142	Ligand-Specific Dissolution of Iron Oxides in Frozen Solutions. Environmental Science & Technology, 2018, 52, 13766-13773.	10.0	22
143	Dual-Functional Photocatalytic and Photoelectrocatalytic Systems for Energy- and Resource-Recovering Water Treatment. ACS Catalysis, 2018, 8, 11542-11563.	11.2	138
144	Active {001} Facet Exposed TiO‹sub›2‹/sub› Nanotubes Photocatalyst Filter for Volatile Organic Compounds Removal: From Material Development to Commercial Indoor Air Cleaner Application. Environmental Science & Technology, 2018, 52, 9330-9340.	10.0	121

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145	A novel strategy to develop non-noble metal catalyst for CO2 electroreduction: Hybridization of metal-organic polymer. Applied Catalysis B: Environmental, 2018, 236, 154-161.	20.2	43
146	Hydrogenated heterojunction of boron nitride and titania enables the photocatalytic generation of H2 in the absence of noble metal catalysts. Applied Catalysis B: Environmental, 2018, 237, 772-782.	20.2	41
147	Electron shuttling catalytic effect of mellitic acid in zero-valent iron induced oxidative degradation. Catalysis Today, 2017, 282, 65-70.	4.4	7
148	Electrocatalytic activities of Sb-SnO2 and Bi-TiO2 anodes for water treatment: Effects of electrocatalyst composition and electrolyte. Catalysis Today, 2017, 282, 57-64.	4.4	35
149	Poly(4-vinylphenol) as a new stable and metal-free sensitizer of titania for visible light photocatalysis through ligand-to-metal charge transfer process. Catalysis Today, 2017, 281, 109-116.	4.4	19
150	Sequential Process Combination of Photocatalytic Oxidation and Dark Reduction for the Removal of Organic Pollutants and Cr(VI) using Ag/TiO₂. Environmental Science & Technology, 2017, 51, 3973-3981.	10.0	193
151	Estimation of greenhouse gas emissions from sewer pipeline system. International Journal of Life Cycle Assessment, 2017, 22, 1901-1911.	4.7	14
152	Iron Oxide Photoelectrode with Multidimensional Architecture for Highly Efficient Photoelectrochemical Water Splitting. Angewandte Chemie, 2017, 129, 6683-6688.	2.0	51
153	Investigating the Unrevealed Photocatalytic Activity and Stability of Nanostructured Brookite TiO₂ Film as an Environmental Photocatalyst. ACS Applied Materials & Interfaces, 2017, 9, 16252-16260.	8.0	63
154	Iron Oxide Photoelectrode with Multidimensional Architecture for Highly Efficient Photoelectrochemical Water Splitting. Angewandte Chemie - International Edition, 2017, 56, 6583-6588.	13.8	66
155	Photoelectrochemical Degradation of Organic Compounds Coupled with Molecular Hydrogen Generation Using Electrochromic TiO₂ Nanotube Arrays. Environmental Science & Technology, 2017, 51, 6590-6598.	10.0	130
156	Catalysis for water purification. Catalysis Today, 2017, 282, 1.	4.4	1
157	Highly efficient hydrogen production using p-Si wire arrays and NiMoZn heterojunction photocathodes. Applied Catalysis B: Environmental, 2017, 217, 615-621.	20.2	17
158	Photocatalytic conversion of acetate into molecular hydrogen and hydrocarbons over Pt/TiO 2 : pH dependent formation of Kolbe and Hofer-Moest products. Journal of Catalysis, 2017, 349, 128-135.	6.2	31
159	Eco-Friendly Photochemical Production of H₂O₂ through O₂ Reduction over Carbon Nitride Frameworks Incorporated with Multiple Heteroelements. ACS Catalysis, 2017, 7, 2886-2895.	11.2	287
160	Freestanding doubly open-ended TiO2 nanotubes for efficient photocatalytic degradation of volatile organic compounds. Applied Catalysis B: Environmental, 2017, 205, 386-392.	20.2	73
161	TiO2 complexed with dopamine-derived polymers and the visible light photocatalytic activities for water pollutants. Journal of Catalysis, 2017, 346, 92-100.	6.2	71
162	Distorted Carbon Nitride Structure with Substituted Benzene Moieties for Enhanced Visible Light Photocatalytic Activities. ACS Applied Materials & Interfaces, 2017, 9, 40360-40368.	8.0	80

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163	Formation of heterostructures via direct growth CN on h-BN porous nanosheets for metal-free photocatalysis. Nano Energy, 2017, 42, 58-68.	16.0	151
164	Enhanced hydrogen production from ammonia borane using controlled plasmonic performance ofÂAu nanoparticles deposited on TiO₂. Journal of Materials Chemistry A, 2017, 5, 21883-21892.	10.3	75
165	Synergistic combination of bandgap-modified carbon nitride and WO3 for visible light-induced oxidation of arsenite accelerated by in-situ Fenton reaction. Applied Catalysis B: Environmental, 2017, 218, 819-824.	20.2	57
166	Accelerated Reduction of Bromate in Frozen Solution. Environmental Science & Technology, 2017, 51, 8368-8375.	10.0	31
167	Visible light sensitization of TiO₂ nanoparticles by a dietary pigment, curcumin, for environmental photochemical transformations. RSC Advances, 2017, 7, 32488-32495.	3.6	34
168	Vertically Aligned Coreâ€"Shell PbTiO₃@TiO₂ Heterojunction Nanotube Array for Photoelectrochemical and Photocatalytic Applications. Journal of Physical Chemistry C, 2017, 121, 15063-15070.	3.1	39
169	Ultra-efficient and durable photoelectrochemical water oxidation using elaborately designed hematite nanorod arrays. Nano Energy, 2017, 39, 211-218.	16.0	171
170	Dual modification of hematite photoanode by Sn-doping and Nb2O5 layer for water oxidation. Applied Catalysis B: Environmental, 2017, 201, 591-599.	20.2	47
171	Scaffold-Like Titanium Nitride Nanotubes with a Highly Conductive Porous Architecture as a Nanoparticle Catalyst Support for Oxygen Reduction. ACS Catalysis, 2016, 6, 3914-3920.	11.2	51
172	Heterogeneous photocatalytic organic synthesis: state-of-the-art and future perspectives. Green Chemistry, 2016, 18, 5391-5411.	9.0	336
173	Visible Light Sensitized Production of Hydroxyl Radicals Using Fullerol as an Electron-Transfer Mediator. Environmental Science & Technology, 2016, 50, 10545-10553.	10.0	37
174	Activation of Persulfates by Graphitized Nanodiamonds for Removal of Organic Compounds. Environmental Science & Technology, 2016, 50, 10134-10142.	10.0	546
175	Plasmon-Enhanced Sub-Bandgap Photocatalysis via Tripletâ€"Triplet Annihilation Upconversion for Volatile Organic Compound Degradation. Environmental Science & Technology, 2016, 50, 11184-11192.	10.0	53
176	Photoelectrochemical hydrogen production on silicon microwire arrays overlaid with ultrathin titanium nitride. Journal of Materials Chemistry A, 2016, 4, 14008-14016.	10.3	24
177	Robust Co-catalytic Performance of Nanodiamonds Loaded on WO₃ for the Decomposition of Volatile Organic Compounds under Visible Light. ACS Catalysis, 2016, 6, 8350-8360.	11.2	98
178	Selective dual-purpose photocatalysis for simultaneous H₂ evolution and mineralization of organic compounds enabled by a Cr₂O₃ barrier layer coated on Rh/SrTiO₃. Chemical Communications, 2016, 52, 9636-9639.	4.1	39
179	Harnessing low energy photons (635 nm) for the production of H₂O₂ using upconversion nanohybrid photocatalysts. Energy and Environmental Science, 2016, 9, 1063-1073.	30.8	160
180	TiO₂ Nanotubes with Open Channels as Deactivation-Resistant Photocatalyst for the Degradation of Volatile Organic Compounds. Environmental Science & Technology, 2016, 50, 2556-2563.	10.0	243

#	Article	IF	Citations
181	Production of Molecular Iodine and Tri-iodide in the Frozen Solution of Iodide: Implication for Polar Atmosphere. Environmental Science & Technology, 2016, 50, 1280-1287.	10.0	67
182	Anodic TiO2 nanotube layer directly formed on the inner surface of Ti pipe for a tubular photocatalytic reactor. Applied Catalysis A: General, 2016, 521, 174-181.	4.3	17
183	Boosting up the Low Catalytic Activity of Silver for H₂ Production on Ag/TiO₂ Photocatalyst: Thiocyanate as a Selective Modifier. ACS Catalysis, 2016, 6, 821-828.	11.2	153
184	Photoinduced charge transfer processes in solar photocatalysis based on modified TiO₂. Energy and Environmental Science, 2016, 9, 411-433.	30.8	494
185	Fabrication of superior Î±-Fe2O3 nanorod photoanodes through ex-situ Sn-doping for solar water splitting. Solar Energy Materials and Solar Cells, 2016, 144, 247-255.	6.2	101
186	Bicarbonate-induced activation of H 2 O 2 for metal-free oxidative desulfurization. Journal of Hazardous Materials, 2016, 304, 313-319.	12.4	47
187	CHAPTER 5. Photoexcitation in Pure and Modified Semiconductor Photocatalysts. RSC Energy and Environment Series, 2016, , 110-128.	0.5	1
188	TiO₂ Nanotube Array Photoelectrocatalyst and Niâ€“Sbâ€“SnO₂ Electrocatalyst Bifacial Electrodes: A New Type of Bifunctional Hybrid Platform for Water Treatment. ACS Applied Materials & Interfaces, 2015, 7, 1907-1914.	8.0	61
189	LiOH-embedded zeolite for carbon dioxide capture under ambient conditions. Journal of Industrial and Engineering Chemistry, 2015, 22, 350-356.	5.8	32
190	Heterogeneous Catalytic Oxidation of As(III) on Nonferrous Metal Oxides in the Presence of H₂O₂. Environmental Science & Technology, 2015, 49, 3506-3513.	10.0	111
191	Photosynthesis of formate from CO₂ and water at 1% energy efficiency via copper iron oxide catalysis. Energy and Environmental Science, 2015, 8, 2638-2643.	30.8	204
192	Weak magnetic field accelerates chromate removal by zero-valent iron. Journal of Environmental Sciences, 2015, 31, 175-183.	6.1	64
193	Enhanced photocatalytic activity of {101}-oriented bipyramidal TiO2 agglomerates through interparticle charge transfer. Applied Catalysis B: Environmental, 2015, 176-177, 76-82.	20.2	28
194	Freezing-Enhanced Dissolution of Iron Oxides: Effects of Inorganic Acid Anions. Environmental Science & Technology, 2015, 49, 12816-12822.	10.0	41
195	Dual-functional photocatalysis using a ternary hybrid of TiO2 modified with graphene oxide along with Pt and fluoride for H2-producing water treatment. Journal of Catalysis, 2015, 330, 387-395.	6.2	53
196	Enhanced Removal of Hexavalent Chromium in the Presence of H₂O₂ in Frozen Aqueous Solutions. Environmental Science & Technology, 2015, 49, 10937-10944.	10.0	50
197	Singlet-Oxygen Generation in Alkaline Periodate Solution. Environmental Science & Technology, 2015, 49, 14392-14400.	10.0	218
198	To What Extent Can Surface Morphology Influence the Photoelectrochemical Performance of Au:WO₃ Electrodes?. Journal of Physical Chemistry C, 2015, 119, 1271-1279.	3.1	23

#	Article	IF	Citations
199	Squaraine-sensitized composite of a reduced graphene oxide/TiO₂ photocatalyst: Ï€â€“Ï€ stacking as a new method of dye anchoring. Journal of Materials Chemistry A, 2015, 3, 232-239.	10.3	25
200	Glucoseâ€“TiO 2 charge transfer complex-mediated photocatalysis under visible light. Applied Catalysis B: Environmental, 2015, 162, 463-469.	20.2	94
201	N-doped TiO₂ nanotubes coated with a thin TaO_xN_y layer for photoelectrochemical water splitting: dual bulk and surface modification of photoanodes. Energy and Environmental Science, 2015, 8, 247-257.	30.8	155
202	Molecularâ€Level Understanding of the Photocatalytic Activity Difference between Anatase and Rutile Nanoparticles. Angewandte Chemie - International Edition, 2014, 53, 14036-14041.	13.8	143
203	Heterogeneous photocatalytic treatment of pharmaceutical micropollutants: Effects of wastewater effluent matrix and catalyst modifications. Applied Catalysis B: Environmental, 2014, 147, 8-16.	20.2	130
204	Synergic photocatalytic effects of nitrogen and niobium co-doping in TiO2 for the redox conversion of aquatic pollutants under visible light. Journal of Catalysis, 2014, 310, 91-99.	6.2	75
205	Visible light photocatalysis of fullerol-complexed TiO2 enhanced by Nb doping. Applied Catalysis B: Environmental, 2014, 152-153, 233-240.	20.2	91
206	Visible light driven photocatalysis mediated via ligand-to-metal charge transfer (LMCT): an alternative approach to solar activation of titania. Energy and Environmental Science, 2014, 7, 954.	30.8	375
207	Platinum-like Behavior of Reduced Graphene Oxide as a Cocatalyst on TiO₂ for the Efficient Photocatalytic Oxidation of Arsenite. Environmental Science and Technology Letters, 2014, 1, 185-190.	8.7	114
208	Review of iron-free Fenton-like systems for activating H2O2 in advanced oxidation processes. Journal of Hazardous Materials, 2014, 275, 121-135.	12.4	1,740
209	Oxidation of aquatic pollutants by ferrousâ€“oxalate complexes under dark aerobic conditions. Journal of Hazardous Materials, 2014, 274, 79-86.	12.4	31
210	Electrochromic titania nanotube arrays for the enhanced photocatalytic degradation of phenol and pharmaceutical compounds. Chemical Engineering Journal, 2014, 249, 285-292.	12.7	57
211	Graphene oxide embedded into TiO2 nanofiber: Effective hybrid photocatalyst for solar conversion. Journal of Catalysis, 2014, 309, 49-57.	6.2	77
212	C60 aminofullerene-magnetite nanocomposite designed for efficient visible light photocatalysis and magnetic recovery. Carbon, 2014, 69, 92-100.	10.3	31
213	Solar production of H₂O₂on reduced graphene oxideâ€“TiO₂hybrid photocatalysts consisting of earth-abundant elements only. Energy and Environmental Science, 2014, 7, 4023-4028.	30.8	311
214	Blue TiO2 Nanotube Array as an Oxidant Generating Novel Anode Material Fabricated by Simple Cathodic Polarization. Electrochimica Acta, 2014, 141, 113-119.	5.2	98
215	Dye decolorization test for the activity assessment of visible light photocatalysts: Realities and limitations. Catalysis Today, 2014, 224, 21-28.	4.4	115
216	Visible light photocatalytic activities of nitrogen and platinum-doped TiO2: Synergistic effects of co-dopants. Applied Catalysis B: Environmental, 2014, 147, 642-650.	20.2	69

#	Article	IF	Citations
217	Arsenite Oxidation Initiated by the UV Photolysis of Nitrite and Nitrate. Environmental Science & Technology, 2014, 48, 4030-4037.	10.0	76
218	Weak magnetic field significantly enhances selenite removal kinetics by zero valent iron. Water Research, 2014, 49, 371-380.	11.3	172
219	Inhibition of CO poisoning on Pt catalyst coupled with the reduction of toxic hexavalent chromium in a dual-functional fuel cell. Scientific Reports, 2014, 4, 7450.	3.3	77
220	Ruthenium(ii) complexes incorporating the bidentate ligand containing an imidazolium moiety: synthesis, characterization, and electrochemical properties and their application in a visible-light induced hydrogen-evolving system. New Journal of Chemistry, 2013, 37, 3174.	2.8	16
221	TiO2 nanodisks designed for Li-ion batteries: a novel strategy for obtaining an ultrathin and high surface area anode material at the ice interface. Energy and Environmental Science, 2013, 6, 2932.	30.8	97
222	Promoting water photooxidation on transparent WO3 thin films using an alumina overlayer. Energy and Environmental Science, 2013, 6, 3732.	30.8	134
223	Graphitic domain layered titania nanotube arrays for separation and shuttling of solar-driven electrons. Journal of Materials Chemistry A, 2013, 1, 203-207.	10.3	7
224	Catalytic templating approaches for three-dimensional hollow carbon/graphene oxide nano-architectures. Nanoscale, 2013, 5, 6291.	5.6	31
225	Photooxidation of Arsenite under 254 nm Irradiation with a Quantum Yield Higher than Unity. Environmental Science & Technology, 2013, 47, 9381-9387.	10.0	70
226	Surface modification of TiO2 photocatalyst for environmental applications. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2013, 15, 1-20.	11.6	858
227	Strategic Modification of BiVO₄ for Improving Photoelectrochemical Water Oxidation Performance. Journal of Physical Chemistry C, 2013, 117, 9104-9112.	3.1	191
228	Solar water oxidation using nickel-borate coupled BiVO4 photoelectrodes. Physical Chemistry Chemical Physics, 2013, 15, 6499.	2.8	156
229	Implementation of Ag nanoparticle incorporated WO3 thin film photoanode for hydrogen production. International Journal of Hydrogen Energy, 2013, 38, 2117-2125.	7.1	32
230	Band energy levels and compositions of CdS-based solid solution and their relation with photocatalytic activities. Catalysis Science and Technology, 2013, 3, 1790.	4.1	22
231	Role of Interparticle Charge Transfers in Agglomerated Photocatalyst Nanoparticles: Demonstration in Aqueous Suspension of Dye-Sensitized TiO₂. Journal of Physical Chemistry Letters, 2013, 4, 189-194.	4.6	93
232	Accelerated dissolution of iron oxides in ice. Atmospheric Chemistry and Physics, 2012, 12, 11125-11133.	4.9	49
233	Superior Electron Transport and Photocatalytic Abilities of Metal-Nanoparticle-Loaded TiO₂ Superstructures. Journal of Physical Chemistry C, 2012, 116, 25444-25453.	3.1	135
234	Geometric Effect of Single or Double Metal-Tipped CdSe Nanorods on Photocatalytic H₂ Generation. Journal of Physical Chemistry Letters, 2012, 3, 3781-3785.	4.6	83

#	Article	IF	Citations
235	Nafion layer-enhanced photosynthetic conversion of CO2 into hydrocarbons on TiO2 nanoparticles. Energy and Environmental Science, 2012, 5, 6066.	30.8	137
236	Photocatalytic Decomposition of H₂O₂ on Different TiO₂ Surfaces Along with the Concurrent Generation of HO₂ Radicals Monitored Using Cavity Ring Down Spectroscopy. Journal of Physical Chemistry C, 2012, 116, 10090-10097.	3.1	62
237	Chemical-free growth of metal nanoparticles on graphene oxide sheets under visible light irradiation. RSC Advances, 2012, 2, 2205.	3.6	31
238	Recyclable and stable ruthenium catalyst for free radical polymerization at ambient temperature initiated by visible light photocatalysis. Green Chemistry, 2012, 14, 618.	9.0	19
239	Enhanced Dissolution of Manganese Oxide in Ice Compared to Aqueous Phase under Illuminated and Dark Conditions. Environmental Science & Technology, 2012, 46, 13160-13166.	10.0	38
240	Studies on acedan-based mononuclear zinc complexes toward selective fluorescent probes for pyrophosphate. Organic and Biomolecular Chemistry, 2012, 10, 8410.	2.8	28
241	A low-cost sensitizer based on a phenolic resin for charge-transfer type photocatalysts working under visible light. Chemical Communications, 2012, 48, 10621.	4.1	53
242	Selective Oxidative Degradation of Organic Pollutants by Singlet Oxygen-Mediated Photosensitization: Tin Porphyrin versus C₆₀ Aminofullerene Systems. Environmental Science & Technology, 2012, 46, 9606-9613.	10.0	190
243	Solar Photoconversion Using Graphene/TiO₂ Composites: Nanographene Shell on TiO₂ Core versus TiO₂ Nanoparticles on Graphene Sheet. Journal of Physical Chemistry C, 2012, 116, 1535-1543.	3.1	292
244	Concentration-Dependent Photoredox Conversion of As(III)/As(V) on Illuminated Titanium Dioxide Electrodes. Environmental Science & Technology, 2012, 46, 5519-5527.	10.0	32
245	Effect of Agglomerated State in Mesoporous TiO₂ on the Morphology of Photodeposited Pt and Photocatalytic Activity. Journal of Physical Chemistry C, 2012, 116, 17531-17539.	3.1	69
246	Carbon dioxide-assisted fabrication of highly uniform submicron-sized colloidal carbon spheres via hydrothermal carbonization using soft drink. Colloid and Polymer Science, 2012, 290, 1567-1573.	2.1	17
247	A Strong Electronic Coupling between Graphene Nanosheets and Layered Titanate Nanoplates: A Softâ€Chemical Route to Highly Porous Nanocomposites with Improved Photocatalytic Activity. Small, 2012, 8, 1038-1048.	10.0	113
248	Simultaneous production of hydrogen with the degradation of organic pollutants using TiO2 photocatalyst modified with dual surface components. Energy and Environmental Science, 2012, 5, 7647.	30.8	236
249	Optimal Ag concentration for H2 production via Ag:TiO2 nanocomposite thin film photoanode. International Journal of Hydrogen Energy, 2012, 37, 3056-3065.	7.1	41
250	Photo-chargeable and dischargeable TiO2 and WO3 heterojunction electrodes. Applied Catalysis B: Environmental, 2012, 115-116, 74-80.	20.2	69
251	Photochemical removal of hexavalent chromium through iodide oxidation under 254nm irradiation. Separation and Purification Technology, 2012, 91, 18-22.	7.9	17
252	Nanotechnologies for the treatment of water, air and soil. Journal of Hazardous Materials, 2012, 211-212, 1-2.	12.4	11

#	Article	IF	Citations
253	Photocatalytic Synthesis of Pure and Waterâ€Dispersible Graphene Monosheets. Chemistry - A European Journal, 2012, 18, 2762-2767.	3.3	27
254	Synergic Production of Hydrogen and Degradation of Organics Using TiO2 Modified with Dual Surface Components. Rapid Communication in Photoscience, 2012, 1, 46-46.	0.1	0
255	Cobaltâ€"phosphate complexes catalyze the photoelectrochemical water oxidation of BiVO4 electrodes. Physical Chemistry Chemical Physics, 2011, 13, 21392.	2.8	164
256	Reversing CdS Preparation Order and Its Effects on Photocatalytic Hydrogen Production of CdS/Pt-TiO₂ Hybrids Under Visible Light. Journal of Physical Chemistry C, 2011, 115, 6141-6148.	3.1	126
257	Comment on â€œPhotocatalytic Oxidation of Arsenite over TiO₂: Is Superoxide the Main Oxidant in Normal Air-Saturated Aqueous Solutions?â€• Environmental Science & Technology, 2011, 45, 9816-9817.	10.0	2
258	Response to Comment on â€œPlatinized WO₃ as an Environmental Photocatalyst that Generates OH Radicals under Visible Lightâ€• Environmental Science & Technology, 2011, 45, 3183-3184.	10.0	11
259	Advanced Oxidation Process Based on the Cr(III)/Cr(VI) Redox Cycle. Environmental Science & Technology, 2011, 45, 9332-9338.	10.0	132
260	Photoelectrochemical and Photocatalytic Behaviors of Hematite-Decorated Titania Nanotube Arrays: Energy Level Mismatch versus Surface Specific Reactivity. Journal of Physical Chemistry C, 2011, 115, 7134-7142.	3.1	66
261	Response to Comment on â€œPhotocatalytic Oxidation Mechanism of As(III) on TiO2: Unique Role of As(III) as a Charge Recombinant Speciesâ€• Environmental Science & Technology, 2011, 45, 2030-2031.	10.0	7
262	Enhanced Photocatalytic and Photoelectrochemical Activity in the Ternary Hybrid of CdS/TiO₂/WO₃ through the Cascadal Electron Transfer. Journal of Physical Chemistry C, 2011, 115, 9797-9805.	3.1	238
263	Enhanced Redox Conversion of Chromate and Arsenite in Ice. Environmental Science & Technology, 2011, 45, 2202-2208.	10.0	100
264	Exfoliated and reorganized graphite oxide on titania nanoparticles as an auxiliary co-catalyst for photocatalytic solar conversion. Physical Chemistry Chemical Physics, 2011, 13, 9425.	2.8	114
265	Three-Dimensional Type II ZnO/ZnSe Heterostructures and Their Visible Light Photocatalytic Activities. Langmuir, 2011, 27, 10243-10250.	3.5	159
266	Free Radical Polymerization Initiated and Controlled by Visible Light Photocatalysis at Ambient Temperature. Macromolecules, 2011, 44, 7594-7599.	4.8	156
267	TiO₂ Photocatalysis for the Redox Conversion of Aquatic Pollutants. ACS Symposium Series, 2011, , 199-222.	0.5	15
268	Enhancing the photoelectrochemical performance of hematite (Î±-Fe2O3) electrodes by cadmium incorporation. Applied Catalysis B: Environmental, 2011, 110, 207-215.	20.2	88
269	Easy access to highly crystalline mesoporous transition-metal oxides with controllable uniform large pores by using block copolymers synthesized via atom transfer radical polymerization. Microporous and Mesoporous Materials, 2011, 143, 149-156.	4.4	29
270	Photochemical loading of metal nanoparticles on reduced graphene oxide sheets using phosphotungstate. Carbon, 2011, 49, 3454-3462.	10.3	97

#	Article	IF	Citations
271	TiO2 modified with both phosphate and platinum and its photocatalytic activities. Applied Catalysis B: Environmental, 2011, 106, 39-39.	20.2	25
272	Photocatalytic hydroxylation of benzene to phenol over titanium oxide entrapped into hydrophobically modified siliceous foam. Applied Catalysis B: Environmental, 2011, 102, 132-139.	20.2	59
273	Photocatalytic effect of thermal atomic layer deposition of TiO2 on stainless steel. Applied Catalysis B: Environmental, 2011, 104, 6-11.	20.2	32
274	Selective photocatalytic degradation of aquatic pollutants by titania encapsulated into FAU-type zeolites. Journal of Hazardous Materials, 2011, 188, 198-205.	12.4	89
275	Effect of magnetic field on the zero valent iron induced oxidation reaction. Journal of Hazardous Materials, 2011, 192, 928-931.	12.4	48
276	Platinized WO₃ as an Environmental Photocatalyst that Generates OH Radicals under Visible Light. Environmental Science & Technology, 2010, 44, 6849-6854.	10.0	663
277	Effects of TiO2 surface fluorination on photocatalytic degradation of methylene blue and humic acid. Research on Chemical Intermediates, 2010, 36, 127-140.	2.7	43
278	Remarkably Efficient Photocurrent Generation Based on a [60]Fullereneâ€"Triosmium Cluster/Znâ€"Porphyrin/Boronâ€"Dipyrrin Triad SAM. Chemistry - A European Journal, 2010, 16, 5586-5599.	3.3	54
279	Photocatalytic activities of TiO2 thin films prepared on Galvanized Iron substrate by plasma-enhanced atomic layer deposition. Thin Solid Films, 2010, 518, 4757-4761.	1.8	20
280	Charge-transfer surface complex of EDTA-TiO2 and its effect on photocatalysis under visible light. Applied Catalysis B: Environmental, 2010, 100, 77-83.	20.2	156
281	Significance of Hydrophilic Characters of Organic Dyes in Visible-Light Hydrogen Generation Based on TiO₂. Organic Letters, 2010, 12, 460-463.	4.6	65
282	Tin-porphyrin sensitized TiO2 for the production of H2 under visible light. Energy and Environmental Science, 2010, 3, 1789.	30.8	127
283	Chromate-Induced Activation of Hydrogen Peroxide for Oxidative Degradation of Aqueous Organic Pollutants. Environmental Science & Technology, 2010, 44, 7232-7237.	10.0	131
284	Hydrogen producing water treatment through solar photocatalysis. Energy and Environmental Science, 2010, 3, 1042.	30.8	115
285	Photocatalytic Oxidation Mechanism of As(III) on TiO₂: Unique Role of As(III) as a Charge Recombinant Species. Environmental Science & Technology, 2010, 44, 9099-9104.	10.0	80
286	Photoreductive Dissolution of Iron Oxides Trapped in Ice and Its Environmental Implications. Environmental Science & Technology, 2010, 44, 4142-4148.	10.0	95
287	Guanidinium-Enhanced Production of Hydrogen on Nafion-Coated Dye/TiO₂ under Visible Light. Journal of Physical Chemistry Letters, 2010, 1, 1351-1355.	4.6	34
288	Organic dye-sensitized TiO2 for the redox conversion of water pollutants under visible light. Chemical Communications, 2010, 46, 2477.	4.1	93

#	Article	IF	Citations
289	Visible light photocatalytic properties of polymorphic brookite titania. Journal of Renewable and Sustainable Energy, 2009, 1, 023101.	2.0	10
290	Plasma-Enhanced ALD of TiO[sub 2] Thin Films on SUS 304 Stainless Steel for Photocatalytic Application. Journal of the Electrochemical Society, 2009, 156, D188.	2.9	14
291	Fullerolâ€"Titania Chargeâ€Transferâ€Mediated Photocatalysis Working under Visible Light. Chemistry - A European Journal, 2009, 15, 10843-10850.	3.3	101
292	Photoactive component-loaded Nafion film as a platform of hydrogen generation: Alternative utilization of a classical sensitizing system. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 203, 112-118.	3.9	21
293	Photocatalytic functional coatings of TiO2 thin films on polymer substrate by plasma enhanced atomic layer deposition. Applied Catalysis B: Environmental, 2009, 91, 628-633.	20.2	70
294	Carbon-doped TiO2 photocatalyst synthesized without using an external carbon precursor and the visible light activity. Applied Catalysis B: Environmental, 2009, 91, 355-361.	20.2	351
295	Iodide-Mediated Photooxidation of Arsenite under 254 nm Irradiation. Environmental Science & Technology, 2009, 43, 3784-3788.	10.0	45
296	Photocatalysis of Dye-Sensitized TiO₂ Nanoparticles with Thin Overcoat of Al₂O₃: Enhanced Activity for H₂ Production and Dechlorination of CCl₄. Journal of Physical Chemistry C, 2009, 113, 10603-10609.	3.1	146
297	Oxidative Degradation of Organic Compounds Using Zero-Valent Iron in the Presence of Natural Organic Matter Serving as an Electron Shuttle. Environmental Science & Technology, 2009, 43, 878-883.	10.0	178
298	Response to Comment on â€œOxidative Degradation of Organic Compounds Using Zero-Valent Iron in the Presence of Natural Organic Matter Serving as an Electron Shuttleâ€. Environmental Science & Technology, 2009, 43, 3966-3967.	10.0	20
299	Zero-Valent Aluminum for Oxidative Degradation of Aqueous Organic Pollutants. Environmental Science & Technology, 2009, 43, 7130-7135.	10.0	188
300	Reductive Defluorination of Aqueous Perfluorinated Alkyl Surfactants: Effects of Ionic Headgroup and Chain Length. Journal of Physical Chemistry A, 2009, 113, 690-696.	2.5	251
301	TiO₂â˜Nafion Photoelectrode Hybridized with Carbon Nanotubes for Sensitized Photochemical Activity. Journal of Physical Chemistry C, 2009, 113, 20974-20979.	3.1	19
302	Highly enhanced photocatalytic degradation of tetramethylammonium on the hybrid catalyst of titania and MCM-41 obtained from rice husk silica. Applied Catalysis B: Environmental, 2009, 91, 157-164.	20.2	62
303	Bifunctional Heterogeneous Catalysts for Selective Epoxidation and Visible Light Driven Photolysis: Nickel Oxideâ€Containing Porous Nanocomposite. Advanced Materials, 2008, 20, 539-542.	21.0	106
304	Ruthenium bipyridyl complex-sensitized dechlorination of CCl4 in aqueous micellar solutions under visible light. Journal of Industrial and Engineering Chemistry, 2008, 14, 315-321.	5.8	10
305	Role of valency ordering on the visible light photocatalytic activity of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mrow><mml:msubsup><mml:mrow><mml:mtext>BaBi</mml:mtext></mml:mrow><mml:mrow><mml:mn>0 Chemical Physics Letters, 2008, 452, 264-268.	2.6	12
306	Role of platinum-like tungsten carbide as cocatalyst of CdS photocatalyst for hydrogen production under visible light irradiation. Applied Catalysis A: General, 2008, 346, 149-154.	4.3	115

#	Article	IF	Citations
307	Simultaneous conversion of dye and hexavalent chromium in visible light-illuminated aqueous solution of polyoxometalate as an electron transfer catalyst. Applied Catalysis B: Environmental, 2008, 84, 148-155.	20.2	69
308	Substrate-Specific Photocatalytic Activities of TiO₂ and Multiactivity Test for Water Treatment Application. Environmental Science & Technology, 2008, 42, 294-300.	10.0	361
309	Visible Light Photocatalysts Based on Homogeneous and Heterogenized Tin Porphyrins. Journal of Physical Chemistry C, 2008, 112, 491-499.	3.1	72
310	Effects of the preparation method of the ternary CdS/TiO2/Pt hybrid photocatalysts on visible light-induced hydrogen production. Journal of Materials Chemistry, 2008, 18, 2379.	6.7	370
311	Photocatalytic bacterial inactivation by polyoxometalates. Chemosphere, 2008, 72, 174-181.	8.2	33
312	Solar-Powered Production of Molecular Hydrogen from Water. Journal of Physical Chemistry C, 2008, 112, 885-889.	3.1	70
313	Synergic effect of simultaneous fluorination and platinization of TiO₂surface on anoxic photocatalytic degradation of organic compounds. Chemical Communications, 2008, , 756-758.	4.1	74
314	Photocatalytic Hydrogen Production with Visible Light over Pt-Interlinked Hybrid Composites of Cubic-Phase and Hexagonal-Phase CdS. Journal of Physical Chemistry C, 2008, 112, 12069-12073.	3.1	196
315	Effect of the Agglomerated State on the Photocatalytic Hydrogen Production with in Situ Agglomeration of Colloidal TiO₂ Nanoparticles. Journal of Physical Chemistry C, 2008, 112, 20451-20457.	3.1	107
316	Preparation of Gold and Platinum Nanoparticles Using Visible Light Activated FeIII-complex. Chemistry Letters, 2007, 36, 176-177.	1.3	12
317	Inactivation of Escherichia coli in the electrochemical disinfection process using a Pt anode. Chemosphere, 2007, 67, 652-659.	8.2	117
318	Enhanced Photocatalytic Production of H₂ on Mesoporous TiO₂ Prepared by Template-Free Method:â€‰ Role of Interparticle Charge Transfer. Journal of Physical Chemistry C, 2007, 111, 15244-15250.	3.1	173
319	Chemical Bonding Character and Physicochemical Properties of Mesoporous Zinc Oxide-Layered Titanate Nanocomposites. Journal of Physical Chemistry C, 2007, 111, 1658-1664.	3.1	53
320	Oxidation on Zerovalent Iron Promoted by Polyoxometalate as an Electron Shuttle. Environmental Science & Technology, 2007, 41, 3335-3340.	10.0	87
321	Ferrioxalate-Polyoxometalate System as a New Chemical Actinometer. Environmental Science & Technology, 2007, 41, 5433-5438.	10.0	16
322	Response to Comment on â€œPhotocatalytic Oxidation of Arsenite on TiO₂:â€‰ Understanding the Controversial Oxidation Mechanism Involving Superoxides and the Effect of Alternative Electron Acceptorsâ€• Environmental Science & Technology, 2007, 41, 6313-6314.	10.0	11
323	Photocatalytic hydrogen production using surface-modified titania nanoparticles. , 2007, , .		3
324	Heterostructured Visible-Light-Active Photocatalyst of Chromia-Nanoparticle-Layered Titanate. Advanced Functional Materials, 2007, 17, 307-314.	14.9	165

#	Article	IF	Citations
325	Effects of p- and d-block metal co-substitution on the electronic structure and physicochemical properties of InMO4 (M=Nb and Ta) semiconductors. Chemical Physics Letters, 2007, 434, 251-255.	2.6	16
326	Effects of surface fluorination of TiO2 on photocatalytic oxidation of gaseous acetaldehyde. Applied Catalysis B: Environmental, 2007, 69, 127-132.	20.2	128
327	Substitution effect of pentavalent bismuth ions on the electronic structure and physicochemical properties of perovskite-structured Ba(In0.5Ta0.5â^'xBix)O3 semiconductors. Materials Research Bulletin, 2007, 42, 1914-1920.	5.2	14
328	On the Iâ€"V measurement of dye-sensitized solar cell: Effect of cell geometry on photovoltaic parameters. Solar Energy Materials and Solar Cells, 2007, 91, 1749-1754.	6.2	51
329	Photocatalytic Oxidation of Arsenite on TiO2:Â Understanding the Controversial Oxidation Mechanism Involving Superoxides and the Effect of Alternative Electron Acceptors. Environmental Science & Technology, 2006, 40, 7034-7039.	10.0	106
330	Effect of the Anchoring Group (Carboxylate vs Phosphonate) in Ru-Complex-Sensitized TiO2on Hydrogen Production under Visible Light. Journal of Physical Chemistry B, 2006, 110, 14792-14799.	2.6	180
331	Effect of the Anchoring Group in Ruâ^'Bipyridyl Sensitizers on the Photoelectrochemical Behavior of Dye-Sensitized TiO2Electrodes:Â Carboxylate versus Phosphonate Linkages. Journal of Physical Chemistry B, 2006, 110, 8740-8749.	2.6	188
332	Visible-Light-Sensitized Production of Hydrogen Using Perfluorosulfonate Polymer-Coated TiO2Nanoparticles:Â An Alternative Approach to Sensitizer Anchoring. Langmuir, 2006, 22, 2906-2911.	3.5	82
333	Study on Fe(VI) species as a disinfectant: Quantitative evaluation and modeling for inactivating Escherichia coli. Water Research, 2006, 40, 3580-3586.	11.3	70
334	Contribution of phytoplankton and bacterial cells to the measured alkalinity of seawater. Limnology and Oceanography, 2006, 51, 331-338.	3.1	59
335	Study of special cases where the enhanced photocatalytic activities of Pt/TiO2 vanish under low light intensity. Catalysis Today, 2006, 111, 259-265.	4.4	39
336	Pure and modified TiO2 photocatalysts and their environmental applications. Catalysis Surveys From Asia, 2006, 10, 16-28.	2.6	191
337	A Composite Photocatalyst of CdS Nanoparticles Deposited on TiO2 Nanosheets. Journal of Nanoscience and Nanotechnology, 2006, 6, 3642-3646.	0.9	42
338	Remote Photocatalytic Oxidation Mediated by Active Oxygen Species Penetrating and Diffusing through Polymer Membrane over Surface Fluorinated TiO2. Chemistry Letters, 2005, 34, 1630-1631.	1.3	38
339	A Highly Sensitive Spectrophotometric Method for the Determination of Cr(VI) Concentration. Chemistry Letters, 2005, 34, 816-817.	1.3	4
340	Photocatalytic conversion of benzene to phenol using modified TiO2 and polyoxometalates. Catalysis Today, 2005, 101, 291-297.	4.4	152
341	Electron affinity and inversion distortion of dibenzo-p-dioxin. Chemical Physics Letters, 2005, 410, 142-146.	2.6	3
342	Photocatalytic Nanodiodes for Visible-Light Photocatalysis. Angewandte Chemie - International Edition, 2005, 44, 4585-4589.	13.8	402

#	Article	IF	Citations
343	Synthesis of New Visible Light Active Photocatalysts of Ba(In1/3Pb1/3Mâ€²1/3)O3 (Mâ€²: Nb, Ta): A Band Gap Engineering Strategy Based on Electronegativity of a Metal Component.. ChemInform, 2005, 36, no.	0.0	1
344	Oxygen nonstoichiometry (Î´) of TiO2â˜Î´-revisited. Journal of Solid State Chemistry, 2005, 178, 185-193.	2.9	51
345	Enhanced photocatalytic degradation of tetramethylammonium on silica-loaded titania. Journal of Applied Electrochemistry, 2005, 35, 757-763.	2.9	17
346	A pilot-scale photocatalyst-membrane hybrid reactor: performance and characterization. Water Science and Technology, 2005, 51, 491-497.	2.5	58
347	Visible Light Active Platinum-Ion-Doped TiO2Photocatalyst. Journal of Physical Chemistry B, 2005, 109, 24260-24267.	2.6	384
348	UV Photolytic Mechanism ofN-Nitrosodimethylamine in Water:Â Dual Pathways to Methylamine versus Dimethylamine. Environmental Science & Technology, 2005, 39, 2101-2106.	10.0	110
349	Synthesis of New Visible Light Active Photocatalysts of Ba(In1/3Pb1/3M1/3â€˜ÂÂÂ)O3(Mâ€˜ = Nb, Ta): A Band Gap Engineering Strategy Based on Electronegativity of a Metal Component. Journal of Physical Chemistry B, 2005, 109, 15001-15007.	2.6	49
350	Photocatalytic Reactivities of Nafion-Coated TiO2 for the Degradation of Charged Organic Compounds under UV or Visible Light. Journal of Physical Chemistry B, 2005, 109, 11667-11674.	2.6	187
351	UV Photolytic Mechanism ofN-Nitrosodimethylamine in Water:Â Roles of Dissolved Oxygen and Solution pH. Environmental Science & Technology, 2005, 39, 9702-9709.	10.0	86
352	Photocatalytic Degradation ofN-Nitrosodimethylamine:Â Mechanism, Product Distribution, and TiO2Surface Modification. Environmental Science & Technology, 2005, 39, 6800-6807.	10.0	118
353	Different Inactivation Behaviors of MS-2 Phage and Escherichia coli in TiO 2 Photocatalytic Disinfection. Applied and Environmental Microbiology, 2005, 71, 270-275.	3.1	466
354	Visible-Light-Induced Photocatalytic Degradation of 4-Chlorophenol and Phenolic Compounds in Aqueous Suspension of Pure Titania:â€‰ Demonstrating the Existence of a Surface-Complex-Mediated Path. Journal of Physical Chemistry B, 2005, 109, 5143-5149.	2.6	252
355	Photocatalytic Reactivity of Surface Platinized TiO2:Â Substrate Specificity and the Effect of Pt Oxidation State. Journal of Physical Chemistry B, 2005, 109, 7399-7406.	2.6	227
356	Simultaneous and Synergistic Conversion of Dyes and Heavy Metal Ions in Aqueous TiO2Suspensions under Visible-Light Illumination. Environmental Science & Technology, 2005, 39, 2376-2382.	10.0	275
357	Visible light activity of TiO2 for the photoreduction of CCl4 and Cr(VI) in the presence of nonionic surfactant (Brij). Applied Catalysis B: Environmental, 2004, 52, 23-32.	20.2	51
358	Photocatalysis Using ZnO Thin Films and Nanoneedles Grown by Metal-Organic Chemical Vapor Deposition. Advanced Materials, 2004, 16, 1661-1664.	21.0	455
359	Novel complexation between ferric ions and nonionic surfactants (Brij) and its visible light activity for CCl4 degradation in aqueous micellar solutions. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 165, 43-50.	3.9	14
360	Solvent-Specific Photolytic Behavior of Octachlorodibenzo-p-dioxin. Environmental Science & Technology, 2004, 38, 2082-2088.	10.0	33

#	Article	IF	Citations
361	Effects of TiO2 Surface Fluorination on Photocatalytic Reactions and Photoelectrochemical Behaviors. Journal of Physical Chemistry B, 2004, 108, 4086-4093.	2.6	591
362	Effects of TiO2Surface Modifications on Photocatalytic Oxidation of Arsenite:Â The Role of Superoxides. Environmental Science & Technology, 2004, 38, 2928-2933.	10.0	216
363	Effects of Surface Anchoring Groups (Carboxylate vs Phosphonate) in Ruthenium-Complex-Sensitized TiO2 on Visible Light Reactivity in Aqueous Suspensions. Journal of Physical Chemistry B, 2004, 108, 14093-14101.	2.6	281
364	Comparative Study of Homogeneous and Heterogeneous Photocatalytic Redox Reactions:Â PW12O403-vs TiO2. Journal of Physical Chemistry B, 2004, 108, 6402-6411.	2.6	120
365	Enhanced Remote Photocatalytic Oxidation on Surface-Fluorinated TiO2. Langmuir, 2004, 20, 11523-11527.	3.5	152
366	Effect of Platinum Deposits on TiO2on the Anoxic Photocatalytic Degradation Pathways of Alkylamines in Water:Â Dealkylation and N-Alkylation. Environmental Science & Technology, 2004, 38, 4026-4033.	10.0	97
367	Linear correlation between inactivation of E. coli and OH radical concentration in TiO2 photocatalytic disinfection. Water Research, 2004, 38, 1069-1077.	11.3	704
368	Theoretical Study on the Reaction of OH Radicals with Polychlorinated Dibenzo-p-dioxins. Journal of Physical Chemistry A, 2004, 108, 607-614.	2.5	43
369	Highly Enhanced Photoreductive Degradation of Perchlorinated Compounds on Dye-Sensitized Metal/TiO2under Visible Light. Environmental Science & Technology, 2003, 37, 147-152.	10.0	353
370	Highly enhanced photocatalytic oxidation of CO on titania deposited with Pt nanoparticles: kinetics and mechanism. Applied Catalysis B: Environmental, 2003, 46, 49-63.	20.2	112
371	Visible light and Fe(III)-mediated degradation of Acid Orange 7 in the absence of H2O2. Journal of Photochemistry and Photobiology A: Chemistry, 2003, 159, 241-247.	3.9	184
372	Effects of surface fluorination of TiO2 on the photocatalytic degradation of tetramethylammonium. Journal of Photochemistry and Photobiology A: Chemistry, 2003, 160, 55-60.	3.9	160
373	New nanoporous carbon materials with high adsorption capacity and rapid adsorption kinetics for removing humic acids. Microporous and Mesoporous Materials, 2003, 58, 131-135.	4.4	108
374	DFT Calculation on the Thermodynamic Properties of Polychlorinated Dibenzo-p-dioxins:â€‰ Intramolecular Clâ^'Cl Repulsion Effects and Their Thermochemical Implications. Journal of Physical Chemistry A, 2003, 107, 2693-2699.	2.5	55
375	Photoelectrochemical Investigation on Electron Transfer Mediating Behaviors of Polyoxometalate in UV-Illuminated Suspensions of TiO2and Pt/TiO2. Journal of Physical Chemistry B, 2003, 107, 3885-3890.	2.6	197
376	DFT Calculation on the Electron Affinity of Polychlorinated Dibenzo-p-dioxins. Bulletin of the Korean Chemical Society, 2003, 24, 792-796.	1.9	11
377	Photoelectrochemical Approach for Metal Corrosion Prevention Using a Semiconductor Photoanode. Journal of Physical Chemistry B, 2002, 106, 4775-4781.	2.6	152
378	Understanding the Congener-Specific Toxicity in Polychlorinated Dibenzo-p-dioxins:Â Chlorination Pattern and Molecular Quadrupole Moment. Journal of the American Chemical Society, 2002, 124, 144-148.	13.7	63

#	Article	IF	Citations
379	Dual Photocatalytic Pathways of Trichloroacetate Degradation on TiO2:â€‰ Effects of Nanosized Platinum Deposits on Kinetics and Mechanism. Journal of Physical Chemistry B, 2002, 106, 13311-13317.	2.6	119
380	Efficient Destruction of CF4 through In Situ Generation of Alkali Metals from Heated Alkali Halide Reducing Mixtures. Environmental Science & Technology, 2002, 36, 1367-1371.	10.0	17
381	Solid Phase Photocatalytic Reaction on the Soot/TiO2Interface:Â The Role of Migrating OH Radicals. Journal of Physical Chemistry B, 2002, 106, 11818-11822.	2.6	119
382	Selective Photocatalytic Oxidation of NH3to N2on Platinized TiO2in Water. Environmental Science & Technology, 2002, 36, 5462-5468.	10.0	168
383	Kinetics and Mechanisms of Photocatalytic Degradation of (CH3)nNH4-n+(0 â‰nâ‰ 4) in TiO2Suspension:Â The Role of OH Radicals. Environmental Science & Technology, 2002, 36, 2019-2025.	10.0	264
384	PCB levels and congener patterns from Korean municipal waste incinerator stack emissions. Chemosphere, 2002, 49, 205-216.	8.2	47
385	Photocatalytic Oxidation of Arsenite in TiO2 Suspension:â€‰ Kinetics and Mechanisms. Environmental Science & Technology, 2002, 36, 3872-3878.	10.0	381
386	Visible light-induced reactions of humic acids on TiO2. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 148, 129-135.	3.9	105
387	Visible Light-Induced Degradation of Carbon Tetrachloride on Dye-Sensitized TiO2. Environmental Science & Technology, 2001, 35, 966-970.	10.0	306
388	Use of Ultrafiltration Membranes for the Separation of TiO2Photocatalysts in Drinking Water Treatment. Industrial & Engineering Chemistry Research, 2001, 40, 1712-1719.	3.7	198
389	A novel photoelectrochemical method of metal corrosion prevention using a TiO2 solar panel. Chemical Communications, 2001, , 281-282.	4.1	51
390	A Simple Rule for Classification of Polychlorinated Dibenzo-p-dioxin Congeners on the Basis of IR Frequency Patterns. Journal of the American Chemical Society, 2001, 123, 3584-3587.	13.7	15
391	Correlations among defect type, photoconductivity and photoreactivity of doped TiO2. Korean Journal of Chemical Engineering, 2001, 18, 873-878.	2.7	4
392	Photocatalytic reactivity and diffusing OH radicals in the reaction medium containing TiO2 particles. Korean Journal of Chemical Engineering, 2001, 18, 898-902.	2.7	16
393	Solid-phase photocatalytic degradation of PVCâ€"TiO 2 polymer composites. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 143, 221-228.	3.9	253
394	Investigation on TiO2-coated optical fibers for gas-phase photocatalytic oxidation of acetone. Applied Catalysis B: Environmental, 2001, 31, 209-220.	20.2	206
395	Ab initio investigations on the HOSO2+O2â†'SO3+HO2 reaction. Journal of Chemical Physics, 2000, 112, 723-730.	3.0	23
396	Photocatalytic Degradation of Polychlorinated Dibenzo-p-dioxins on TiO2Film under UV or Solar Light Irradiation. Environmental Science & Technology, 2000, 34, 4810-4815.	10.0	195

#	Article	IF	Citations
397	Nitric Acid Uptake and Decomposition on Black Carbon (Soot) Surfaces:Â Its Implications for the Upper Troposphere and Lower Stratosphere. Journal of Physical Chemistry A, 1998, 102, 7618-7630.	2.5	68
398	Novel Photocatalytic Mechanisms for CHCl3, CHBr3, and CCl3CO2-Degradation and the Fate of Photogenerated Trihalomethyl Radicals on TiO2. Environmental Science & Technology, 1997, 31, 89-95.	10.0	113
399	Kinetics of the heterogeneous reaction CO + O â†' CO2on inorganic oxide and water ice surfaces: Implications for the Martian atmosphere. Geophysical Research Letters, 1997, 24, 2957-2960.	4.0	9
400	Kinetics and Mechanism of CCl4Photoreductive Degradation on TiO2:Â The Role of Trichloromethyl Radical and Dichlorocarbene. The Journal of Physical Chemistry, 1996, 100, 2161-2169.	2.9	83
401	Environmental Applications of Semiconductor Photocatalysis. Chemical Reviews, 1995, 95, 69-96.	47.7	17,205
402	Photoreductive Mechanism of CCl4 Degradation on TiO2 Particles and Effects of Electron Donors. Environmental Science & Technology, 1995, 29, 1646-1654.	10.0	165
403	Effects of Metal-Ion Dopants on the Photocatalytic Reactivity of Quantum-Sized TiO2 Particles. Angewandte Chemie International Edition in English, 1994, 33, 1091-1092.	4.4	204
404	The Role of Metal Ion Dopants in Quantum-Sized TiO2: Correlation between Photoreactivity and Charge Carrier Recombination Dynamics. The Journal of Physical Chemistry, 1994, 98, 13669-13679.	2.9	3,486
405	Time-resolved microwave conductivity. Part 1.â€"TiO2photoreactivity and size quantization. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 3315-3322.	1.7	250
406	Interactions of low energy (10â€"600 eV) noble gas ions with a graphite surface: surface penetration, trapping and self-sputtering behaviors. Surface Science, 1993, 281, 323-335.	1.9	62
407	Low energy threshold behavior of He+, Ne+, and Ar+ ion penetration into a graphite (0001) surface. Chemical Physics Letters, 1990, 173, 316-318.	2.6	3
408	Ion and X-ray induced decomposition of alkali halates. A comparative study of the radiation induced reaction paths. Radiation Effects and Defects in Solids, 1990, 115, 65-72.	1.2	8
409	Solar denitrification coupled with in situ water splitting. Energy and Environmental Science, 0, , .	30.8	21