

Chun-cheng Chen

List of Publications by Year in descending order

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178
papers

16,741
citations

17440

63
h-index

15732

125
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201
all docs

201
docs citations

201
times ranked

16370
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorine-doped BiVO ₄ photocatalyst: Preferential cleavage of C-N bond for green degradation of glyphosate. <i>Journal of Environmental Sciences</i> , 2023, 127, 60-68.	6.1	12
2	Distinct photocatalytic charges separation pathway on CuOx modified rutile and anatase TiO ₂ under visible light. <i>Applied Catalysis B: Environmental</i> , 2022, 300, 120735.	20.2	14
3	An all-in-one approach for synthesis and functionalization of nano colloidal gold with acetylacetone. <i>Nanotechnology</i> , 2022, 33, 075605.	2.6	2
4	Visible-light-driven semihydrogenation of alkynes via proton reduction over carbon nitride supported nickel. <i>Applied Catalysis B: Environmental</i> , 2022, 304, 121004.	20.2	17
5	Photoinduced release of odorous volatile organic compounds from aqueous pollutants: The role of reactive oxygen species in increasing risk during cross-media transformation. <i>Science of the Total Environment</i> , 2022, 822, 153397.	8.0	4
6	Mechanistic insights into the photocatalytic reduction of nitric oxide to nitrogen on oxygen-deficient quasi-two-dimensional bismuth-based perovskites. <i>Environmental Science: Nano</i> , 2022, 9, 1453-1465.	4.3	11
7	Selective photocatalytic CO ₂ reduction in aerobic environment by microporous Pd-porphyrin-based polymers coated hollow TiO ₂ . <i>Nature Communications</i> , 2022, 13, 1400.	12.8	131
8	Self-assembled BiVO ₄ mesocrystals for efficient photocatalytic decontamination of microcystin-LR. <i>Environmental Chemistry Letters</i> , 2022, 20, 1595-1601.	16.2	7
9	In Situ Observation of Hot Carrier Transfer at Plasmonic Au/Metal-Organic Frameworks (MOFs) Interfaces. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	5
10	Highly oxygenated organic molecules with high unsaturation formed upon photochemical aging of soot. <i>CheM</i> , 2022, 8, 2688-2699.	11.7	10
11	An unprecedented hydride transfer pathway for selective photocatalytic reduction of CO ₂ to formic acid on TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119692.	20.2	56
12	A powerful azomethine ylide route mediated by TiO ₂ photocatalysis for the preparation of polysubstituted imidazolidines. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 2192-2197.	2.8	5
13	Photocatalytic C-C Coupling from Carbon Dioxide Reduction on Copper Oxide with Mixed-Valence Copper(I)/Copper(II). <i>Journal of the American Chemical Society</i> , 2021, 143, 2984-2993.	13.7	206
14	Photocatalytic activation of C-Br bond on facet-dependent BiOCl with oxygen vacancies. <i>Applied Surface Science</i> , 2021, 548, 149243.	6.1	25
15	Photoinduced Release of Volatile Organic Compounds from Fatty Alcohols at the Air-Water Interface: The Role of Singlet Oxygen Photosensitized by a Carbonyl Group. <i>Environmental Science & Technology</i> , 2021, 55, 8683-8690.	10.0	28
16	±-Fe ₂ O ₃ as a versatile and efficient oxygen atom transfer catalyst in combination with H ₂ O as the oxygen source. <i>Nature Catalysis</i> , 2021, 4, 684-691.	34.4	112
17	Photochemical Synthesis of Selenium Nanospheres of Tunable Size and Colloidal Stability with Simple Diketones. <i>Langmuir</i> , 2021, 37, 9793-9801.	3.5	5
18	Suppressing toxic intermediates during photocatalytic degradation of glyphosate by controlling adsorption modes. <i>Applied Catalysis B: Environmental</i> , 2021, 299, 120671.	20.2	18

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19	The vital role of surface Brønsted acid/base sites for the photocatalytic formation of free $\cdot\text{OH}$ radicals. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118634.	20.2	83
20	Photocatalysis: an overview of recent developments and technological advancements. <i>Science China Chemistry</i> , 2020, 63, 149-181.	8.2	107
21	Enhanced Photochemical Volatile Organic Compounds Release from Fatty Acids by Surface-Enriched Fe(III). <i>Environmental Science & Technology</i> , 2020, 54, 13448-13457.	10.0	12
22	Photoinduced Uptake and Oxidation of SO_2 on Beijing Urban $\text{PM}_{2.5}$. <i>Environmental Science & Technology</i> , 2020, 54, 14868-14876.	10.0	24
23	Quantitative isotope measurements in heterogeneous photocatalysis and electrocatalysis. <i>Energy and Environmental Science</i> , 2020, 13, 2602-2617.	30.8	26
24	Nickel-Coordinated Carbon Nitride as a Metallaphotoredox Platform for the Cross-Coupling of Aryl Halides with Alcohols. <i>ACS Catalysis</i> , 2020, 10, 15178-15185.	11.2	72
25	Crucial Effect of Ti^{IV} Species Generated in the Visible-Light-Driven Transformations: Slowed-Down Proton-Coupled Electron Transfer. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3941-3946.	4.6	6
26	Rapid proton exchange between surface bridging hydroxyls and adsorbed molecules on TiO_2 . <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119234.	20.2	25
27	Noble-metal-free TiO_2 photocatalysis for selective $\text{C}=\text{C}$ reduction of α,β -enones by $\text{CF}_3\text{SO}_3\text{H}$ modification. <i>Catalysis Science and Technology</i> , 2020, 10, 4917-4922.	4.1	3
28	Photochemical aging of Beijing urban $\text{PM}_{2.5}$: Production of oxygenated volatile organic compounds. <i>Science of the Total Environment</i> , 2020, 743, 140751.	8.0	7
29	The Key Role of Sulfate in the Photochemical Renoxification on Real $\text{PM}_{2.5}$. <i>Environmental Science & Technology</i> , 2020, 54, 3121-3128.	10.0	24
30	Identifying the active photocatalytic H_2 -production sites on TiO_2 -supported Pt nanoparticles by the in-situ infrared spectrum of CO. <i>Science China Chemistry</i> , 2020, 63, 354-360.	8.2	6
31	High-performance natural-sunlight-driven Ag/AgCl photocatalysts with a cube-like morphology and blunt edges <i>via</i> a bola-type surfactant-assisted synthesis. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3940-3952.	2.8	17
32	Carbon Gels-Modified TiO_2 : Promising Materials for Photocatalysis Applications. <i>Materials</i> , 2020, 13, 1734.	2.9	22
33	Molecular-level understanding of the deactivation pathways during methanol photo-reforming on Pt-decorated TiO_2 . <i>Applied Catalysis B: Environmental</i> , 2020, 272, 118980.	20.2	17
34	Light-driven activation of carbon-halogen bonds by readily available amines for photocatalytic hydrodehalogenation. <i>Chinese Journal of Catalysis</i> , 2020, 41, 1474-1479.	14.0	7
35	Nitrate-Enhanced Oxidation of SO_2 on Mineral Dust: A Vital Role of a Proton. <i>Environmental Science & Technology</i> , 2019, 53, 10139-10145.	10.0	25
36	MoS_x co-catalytic activation of H_2O_2 by heterogeneous hemin catalyst under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 301-310.	9.4	17

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37	Synthetic Approaches for C-N Bonds by TiO ₂ Photocatalysis. <i>Frontiers in Chemistry</i> , 2019, 7, 635.	3.6	18
38	Photochemical Aging of Soot in the Aqueous Phase: Release of Dissolved Black Carbon and the Formation of $\text{I}^{\cdot+}$ and $\text{O}_2^{\cdot-}$. <i>Environmental Science & Technology</i> , 2019, 53, 12311-12319.	10.0	50
39	TiO ₂ Photocatalysis for Transfer Hydrogenation. <i>Molecules</i> , 2019, 24, 330.	3.8	43
40	Efficient degradation of chloramphenicol by zero-valent iron microspheres and new insights in mechanisms. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117876.	20.2	57
41	Stable hybrid perovskite MAPb(I _{1-x} Br _x) ₃ for photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019, 253, 41-48.	20.2	56
42	Fabrication of β -phase AgI and Bi ₂ O ₃ co-decorated Bi ₂ O ₂ CO ₃ heterojunctions with enhanced photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2019, 547, 1-13.	9.4	39
43	Ligand directed debromination of tetrabromodiphenyl ether mediated by nickel under visible irradiation. <i>Environmental Science: Nano</i> , 2019, 6, 1585-1593.	4.3	18
44	Photocatalytic Hydrodehalogenation for the Removal of Halogenated Aromatic Contaminants. <i>ChemCatChem</i> , 2019, 11, 258-268.	3.7	28
45	Enhanced Photocatalytic Simultaneous Removals of Cr(VI) and Bisphenol A over Co(II)-Modified TiO ₂ . <i>Langmuir</i> , 2019, 35, 276-283.	3.5	36
46	Opposite photocatalytic oxidation behaviors of BiOCl and TiO ₂ : Direct hole transfer vs. indirect OH oxidation. <i>Applied Catalysis B: Environmental</i> , 2019, 241, 514-520.	20.2	95
47	Rate-Limiting O-O Bond Formation Pathways for Water Oxidation on Hematite Photoanode. <i>Journal of the American Chemical Society</i> , 2018, 140, 3264-3269.	13.7	156
48	Photochemical Aging of Beijing Urban PM _{2.5} : HONO Production. <i>Environmental Science & Technology</i> , 2018, 52, 6309-6316.	10.0	108
49	Catalytic hydrodehalogenation over supported gold: Electron transfer versus hydride transfer. <i>Applied Catalysis B: Environmental</i> , 2018, 231, 262-268.	20.2	31
50	TiO ₂ photocatalysis for C-C bond formation. <i>Catalysis Science and Technology</i> , 2018, 8, 2030-2045.	4.1	91
51	Enhanced photoreduction degradation of polybromodiphenyl ethers with Fe ₃ O ₄ -g-C ₃ N ₄ under visible light irradiation. <i>RSC Advances</i> , 2018, 8, 10914-10921.	3.6	20
52	Weak-Bond-Based Photoreduction of Polybrominated Diphenyl Ethers on Graphene in Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6711-6717.	6.7	22
53	Enhancement of photocatalytic decarboxylation on TiO ₂ by water-induced change in adsorption-mode. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 376-382.	20.2	33
54	Facial boron incorporation in hematite photoanode for enhanced photoelectrochemical water oxidation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 355, 290-297.	3.9	12

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55	Covalent Organic Frameworks: Promising Materials as Heterogeneous Catalysts for C-C Bond Formations. <i>Catalysts</i> , 2018, 8, 404.	3.5	38
56	TiO ₂ Photocatalyzed C-H Bond Transformation for C-C Coupling Reactions. <i>Catalysts</i> , 2018, 8, 355.	3.5	32
57	Role of elemental carbon in the photochemical aging of soot. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7717-7722.	7.1	70
58	Desulfurization of thiophenes in oils into H ₂ SO ₄ using molecular oxygen. <i>Applied Catalysis B: Environmental</i> , 2018, 235, 207-213.	20.2	28
59	Hydrogen-Bond Bridged Water Oxidation on {001} Surfaces of Anatase TiO ₂ . <i>Journal of Physical Chemistry C</i> , 2017, 121, 2251-2257.	3.1	50
60	The Formation of Ti-H Species at Interface Is Lethal to the Efficiency of TiO ₂ -Based Dye-Sensitized Devices. <i>Journal of the American Chemical Society</i> , 2017, 139, 2083-2089.	13.7	55
61	Shape-Controlled Metal-Free Catalysts: Facet-Sensitive Catalytic Activity Induced by the Arrangement Pattern of Noncovalent Supramolecular Chains. <i>ACS Nano</i> , 2017, 11, 4866-4876.	14.6	31
62	Aqueous Oxidations Started by TiO ₂ Photoinduced Holes Can Be a Rate-Determining Step. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2048-2051.	3.3	4
63	Modulating the photocatalytic redox preferences between anatase TiO ₂ {001} and {101} surfaces. <i>Chemical Communications</i> , 2017, 53, 787-790.	4.1	35
64	Localized TiIII mediated dissociative electron transfer for carbon halogen bond activation on TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2017, 219, 322-328.	20.2	10
65	Interfacial proton-coupled electron transfer in metal oxide semiconductor photocatalysis. <i>Research on Chemical Intermediates</i> , 2017, 43, 4997-5009.	2.7	2
66	Photocatalytic Dehydrogenation of Primary Alcohols: Selectivity Goes against Adsorptivity. <i>ACS Omega</i> , 2017, 2, 4161-4172.	3.5	26
67	Doping-Promoted Solar Water Oxidation on Hematite Photoanodes. <i>Molecules</i> , 2016, 21, 868.	3.8	21
68	Rapid photocatalytic debromination on TiO ₂ with in-situ formed copper co-catalyst: Enhanced adsorption and visible light activity. <i>Applied Catalysis B: Environmental</i> , 2016, 194, 150-156.	20.2	67
69	Copper-Based Coordination Polymer Nanostructure for Visible Light Photocatalysis. <i>Advanced Materials</i> , 2016, 28, 9776-9781.	21.0	80
70	Mechanistic Studies of TiO ₂ Photocatalysis and Fenton Degradation of Hydrophobic Aromatic Pollutants in Water. <i>Chemistry - an Asian Journal</i> , 2016, 11, 3568-3574.	3.3	14
71	Pivotal Role and Regulation of Proton Transfer in Water Oxidation on Hematite Photoanodes. <i>Journal of the American Chemical Society</i> , 2016, 138, 2705-2711.	13.7	132
72	Frontispiece: Inverse Kinetic Solvent Isotope Effect in TiO ₂ Photocatalytic Dehalogenation of Non-adsorbable Aromatic Halides: A Proton-Induced Pathway. <i>Angewandte Chemie - International Edition</i> , 2015, 54, n/a-n/a.	13.8	0

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73	Spherical and Sheetlike Ag/AgCl Nanostructures: Interesting Photocatalysts with Unusual Facet-Dependent yet Substrate-Sensitive Reactivity. <i>Langmuir</i> , 2015, 31, 602-610.	3.5	33
74	H ₂ O-Involved Two-Electron Pathway for Photooxidation of Aldehydes on TiO ₂ : An Isotope Labeling Study. <i>Environmental Science & Technology</i> , 2015, 49, 3024-3031.	10.0	16
75	Essential Roles of Proton Transfer in Photocatalytic Redox Reactions. <i>ChemCatChem</i> , 2015, 7, 724-731.	3.7	35
76	Nonmetal P-doped hematite photoanode with enhanced electron mobility and high water oxidation activity. <i>Energy and Environmental Science</i> , 2015, 8, 1231-1236.	30.8	202
77	Frontispiz: Inverse Kinetic Solvent Isotope Effect in TiO ₂ Photocatalytic Dehalogenation of Non-adsorbable Aromatic Halides: A Proton-Induced Pathway. <i>Angewandte Chemie</i> , 2015, 127, n/a-n/a.	2.0	0
78	Degradation of ciprofloxacin in aqueous bismuth oxybromide (BiOBr) suspensions under visible light irradiation: A direct hole oxidation pathway. <i>Chemical Engineering Journal</i> , 2015, 274, 290-297.	12.7	212
79	Activation of Water in Titanium Dioxide Photocatalysis by Formation of Surface Hydrogen Bonds: An In Situ IR Spectroscopy Study. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5905-5909.	13.8	129
80	A Half-Reaction Alternative to Water Oxidation: Chloride Oxidation to Chlorine Catalyzed by Silver Ion. <i>Journal of the American Chemical Society</i> , 2015, 137, 3193-3196.	13.7	83
81	Photocatalytic activation of pyridine for addition reactions: an unconventional reaction feature between a photo-induced hole and electron on TiO ₂ . <i>Chemical Communications</i> , 2015, 51, 17451-17454.	4.1	30
82	Visible-light-driven Ag/AgCl plasmonic photocatalysts via a surfactant-assisted protocol: enhanced catalytic performance by morphology evolution from near-spherical to 1D structures. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25182-25190.	2.8	12
83	Tailored Porphyrin Assembly at the Oil/Aqueous Interface Based on the Receding of Three-Phase Contact Line of Droplet Template. <i>Advanced Materials Interfaces</i> , 2015, 2, 1400365.	3.7	17
84	Inverse Kinetic Solvent Isotope Effect in TiO ₂ Photocatalytic Dehalogenation of Non-adsorbable Aromatic Halides: A Proton-Induced Pathway. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2052-2056.	13.8	37
85	Unraveling the Photocatalytic Mechanisms on TiO ₂ Surfaces Using the Oxygen-18 Isotopic Label Technique. <i>Molecules</i> , 2014, 19, 16291-16311.	3.8	40
86	An Unexpected Fluctuating Reactivity for Odd and Even Carbon Numbers in the TiO ₂ -Based Photocatalytic Decarboxylation of C ₂ -C ₆ Dicarboxylic Acids. <i>Chemistry - A European Journal</i> , 2014, 20, 1772-1772.	3.3	1
87	Selective Aerobic Oxidation Mediated by TiO ₂ Photocatalysis. <i>Accounts of Chemical Research</i> , 2014, 47, 355-363.	15.6	252
88	Iron(III)-mediated photocatalytic selective substitution of aryl bromine by chlorine with high chloride utilization efficiency. <i>Chemical Communications</i> , 2014, 50, 2344.	4.1	21
89	ortho-Dihydroxyl-9,10-anthraquinone dyes as visible-light sensitizers that exhibit a high turnover number for hydrogen evolution. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 6550-6554.	2.8	25
90	Silver Iodide Microstructures of a Uniform Towerlike Shape: Morphology Purification via a Chemical Dissolution, Simultaneously Boosted Catalytic Durability, and Enhanced Catalytic Performances. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 4160-4169.	8.0	17

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91	Control of Exposed Facet and Morphology of Anatase Crystals through TiO ₂ Precursor Synthesis and Impact of the Facet on Crystal Phase Transition. <i>Chemistry of Materials</i> , 2014, 26, 1014-1018.	6.7	25
92	Rapid, Photocatalytic, and Deep Debromination of Polybrominated Diphenyl Ethers on Pd-TiO ₂ : Intermediates and Pathways. <i>Chemistry - A European Journal</i> , 2014, 20, 11163-11170.	3.3	36
93	Selective Oxidation of Arsenite by Peroxymonosulfate with High Utilization Efficiency of Oxidant. <i>Environmental Science & Technology</i> , 2014, 48, 3978-3985.	10.0	113
94	Gradient FeO _x (PO ₄) _x Layer on Hematite Photoanodes: Novel Structure for Efficient Light-Driven Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 12844-12851.	8.0	48
95	Peroxymonosulfate activation by phosphate anion for organics degradation in water. <i>Chemosphere</i> , 2014, 117, 582-585.	8.2	186
96	UV-Assisted Removal of Inactive Peroxide Species for Sustained Epoxidation of Cyclooctene on Anatase TiO ₂ . <i>Chemistry - A European Journal</i> , 2014, 20, 6277-6282.	3.3	5
97	Mechanism of photocatalytic oxidation of guanine by BiOBr under UV irradiation. <i>Catalysis Communications</i> , 2014, 48, 65-68.	3.3	7
98	Determining the TiO ₂ -Photocatalytic Aryl-Ring-Opening Mechanism in Aqueous Solution Using Oxygen-18 Labeled O ₂ and H ₂ O. <i>Journal of the American Chemical Society</i> , 2014, 136, 8714-8721.	13.7	42
99	An Unexpected Fluctuating Reactivity for Odd and Even Carbon Numbers in the TiO ₂ -Based Photocatalytic Decarboxylation of C ₂ -C ₆ Dicarboxylic Acids. <i>Chemistry - A European Journal</i> , 2014, 20, 1861-1870.	3.3	13
100	Surfactant-additive-free synthesis of 3D anatase TiO ₂ hierarchical architectures with enhanced photocatalytic activity. <i>RSC Advances</i> , 2013, 3, 17559.	3.6	27
101	Selective activation of secondary C-H bonds by an iron catalyst: insights into possibilities created by the use of a carboxyl-containing bipyridine ligand. <i>New Journal of Chemistry</i> , 2013, 37, 3267.	2.8	9
102	Concerted Two-Electron Transfer and High Selectivity of TiO ₂ in Photocatalyzed Deoxygenation of Epoxides. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12636-12640.	13.8	22
103	Sunlight-driven Ag-AgCl _{1-x} Br _x photocatalysts: enhanced catalytic performances via continuous bandgap-tuning and morphology selection. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12709.	2.8	18
104	Clay-based SiO ₂ as active support of gold nanoparticles for CO oxidation catalyst: Pivotal role of residual Al. <i>Catalysis Communications</i> , 2013, 35, 72-75.	3.3	12
105	Photocatalytic degradation of organic pollutants on surface anionized TiO ₂ : Common effect of anions for high hole-availability by water. <i>Applied Catalysis B: Environmental</i> , 2013, 138-139, 212-218.	20.2	111
106	Selective aerobic oxidation of amines to imines by TiO ₂ photocatalysis in water. <i>Chemical Communications</i> , 2013, 49, 5034.	4.1	96
107	Photoreductive Debromination of Decabromodiphenyl Ethers in the Presence of Carboxylates under Visible Light Irradiation. <i>Environmental Science & Technology</i> , 2013, 47, 2370-2377.	10.0	60
108	Direct Four-Electron Reduction of O ₂ to H ₂ O on TiO ₂ Surfaces by Pendant Proton Relay. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9686-9690.	13.8	89

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109	Photo-electrochemical water splitting system with three-layer n-type organic semiconductor film as photoanode under visible irradiation. <i>Science China Chemistry</i> , 2012, 55, 1953-1958.	8.2	10
110	Photochemical Coupling of Iron Redox Reactions and Transformation of Low-Molecular-Weight Organic Matter. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2044-2051.	4.6	44
111	Photocatalytic debromination of preloaded decabromodiphenyl ether on the TiO ₂ surface in aqueous system. <i>Chemosphere</i> , 2012, 89, 420-425.	8.2	40
112	Anatase TiO ₂ Mesocrystals Enclosed by (001) and (101) Facets: Synergistic Effects between Ti ³⁺ and Facets for Their Photocatalytic Performance. <i>Chemistry - A European Journal</i> , 2012, 18, 12584-12589.	3.3	65
113	Photocatalytic debromination of decabromodiphenyl ether by graphitic carbon nitride. <i>Science China Chemistry</i> , 2012, 55, 2532-2536.	8.2	27
114	Photocatalytic Degradation of Aromatic Pollutants: A Pivotal Role of Conduction Band Electron in Distribution of Hydroxylated Intermediates. <i>Environmental Science & Technology</i> , 2012, 46, 5093-5099.	10.0	39
115	The Surface Structure Sensitivity of Dioxygen Activation in the Anatase Photocatalyzed Oxidation Reaction. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3188-3192.	13.8	89
116	Visible-Light-Induced Selective Photocatalytic Aerobic Oxidation of Amines into Imines on TiO ₂ . <i>Chemistry - A European Journal</i> , 2012, 18, 2624-2631.	3.3	182
117	Pathway of Oxygen Incorporation from O ₂ in TiO ₂ Photocatalytic Hydroxylation of Aromatics: Oxygen Isotope Labeling Studies. <i>Chemistry - A European Journal</i> , 2012, 18, 2030-2039.	3.3	55
118	Controllable Synthesis of 3D Thorny Plasmonic Gold Nanostructures and Their Tunable Optical Properties. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23256-23260.	3.1	26
119	Photodegradation of organic pollutants catalyzed by iron species under visible light irradiation. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 1957-1969.	2.8	62
120	Electrocatalytic reduction of CO ₂ to CO by polypyridyl ruthenium complexes. <i>Chemical Communications</i> , 2011, 47, 12607.	4.1	209
121	Photocatalytic Oxidation of Organic Pollutants Catalyzed by an Iron Complex at Biocompatible pH Values: Using O ₂ as Main Oxidant in a Fenton-like Reaction. <i>Journal of Physical Chemistry C</i> , 2011, 115, 4089-4095.	3.1	38
122	Interfacial Electron Transfer Dynamics for [Ru(bpy) ₂ ((4,4'-PO ₃ H ₂) ₂ bpy)] ²⁺ Sensitized TiO ₂ in a Dye-Sensitized Photoelectrosynthesis Cell: Factors Influencing Efficiency and Dynamics. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7081-7091.	3.1	56
123	Grafting silica species on anatase surface for visible light photocatalytic activity. <i>Energy and Environmental Science</i> , 2011, 4, 2279.	30.8	46
124	An Efficient Anthraquinone-Resin Hybrid Co-Catalyst for Fenton-Like Reactions: Acceleration of the Iron Cycle Using a Quinone Cycle under Visible-Light Irradiation. <i>Chemistry - an Asian Journal</i> , 2011, 6, 2264-2268.	3.3	24
125	Visible-light-driven photocatalytic degradation of microcystin-LR by Bi-doped TiO ₂ . <i>Research on Chemical Intermediates</i> , 2011, 37, 47-60.	2.7	21
126	Supported noble metal nanoparticles as photo/sono-catalysts for synthesis of chemicals and degradation of pollutants. <i>Science China Chemistry</i> , 2011, 54, 887-897.	8.2	24

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127	A new type of covalent-functional graphene donor-acceptor hybrid and its improved photoelectrochemical performance. <i>Science China Chemistry</i> , 2011, 54, 1622-1626.	8.2	19
128	Selective Formation of Imines by Aerobic Photocatalytic Oxidation of Amines on TiO ₂ . <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3934-3937.	13.8	396
129	Probing paramagnetic species in titania-based heterogeneous photocatalysis by electron spin resonance (ESR) spectroscopy—A mini review. <i>Chemical Engineering Journal</i> , 2011, 170, 353-362.	12.7	280
130	An Unexplored O ₂ -Involved Pathway for the Decarboxylation of Saturated Carboxylic Acids by TiO ₂ Photocatalysis: An Isotopic Probe Study. <i>Chemistry - A European Journal</i> , 2010, 16, 11859-11866.	3.3	37
131	Photocatalytic Aerobic Oxidation of Alcohols on TiO ₂ : The Acceleration Effect of a Brønsted Acid. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7976-7979.	13.8	224
132	Inside Cover: Photocatalytic Aerobic Oxidation of Alcohols on TiO ₂ : The Acceleration Effect of a Brønsted Acid (<i>Angew. Chem. Int. Ed.</i> 43/2010). <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7818-7818.	13.8	1
133	Photocatalytic Degradation of Organic Pollutants by Co-Doped TiO ₂ Under Visible Light Irradiation. <i>Current Organic Chemistry</i> , 2010, 14, 630-644.	1.6	34
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