

Chun-cheng Chen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

181
papers

13,765
citations

57
h-index

114
g-index

201
ext. papers

15,287
ext. citations

10.2
avg, IF

6.58
L-index

#	Paper	IF	Citations
181	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 , 153397	10.2	0
180	Visible-light-driven semihydrogenation of alkynes via proton reduction over carbon nitride supported nickel. <i>Applied Catalysis B: Environmental</i> , 2022 , 304, 121004	21.8	1
179	Distinct photocatalytic charges separation pathway on CuOx modified rutile and anatase TiO2 under visible light. <i>Applied Catalysis B: Environmental</i> , 2022 , 300, 120735	21.8	1
178	Selective photocatalytic CO reduction in aerobic environment by microporous Pd-porphyrin-based polymers coated hollow TiO ₂ . <i>Nature Communications</i> , 2022 , 13, 1400	17.4	13
177	Photocatalytic activation of C-Br bond on facet-dependent BiOCl with oxygen vacancies. <i>Applied Surface Science</i> , 2021 , 548, 149243	6.7	13
176	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	10.3	10
175	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	21.8	23
174	A powerful azomethine ylide route mediated by TiO photocatalysis for the preparation of polysubstituted imidazolidines. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 2192-2197	3.9	1
173	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	16.4	55
172	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	36.5	18
171	Photochemical Synthesis of Selenium Nanospheres of Tunable Size and Colloidal Stability with Simple Diketones. <i>Langmuir</i> , 2021 , 37, 9793-9801	4	2
170	Suppressing toxic intermediates during photocatalytic degradation of glyphosate by controlling adsorption modes. <i>Applied Catalysis B: Environmental</i> , 2021 , 299, 120671	21.8	2
169	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	13.1	15
168	Crucial Effect of Ti-H 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	6.4	3
167	Rapid proton exchange between surface bridging hydroxyls and adsorbed molecules on TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2020 , 277, 119234	21.8	10
166	Noble-metal-free TiO ₂ photocatalysis for selective CC reduction of ketones by CF ₃ SO ₃ H modification. <i>Catalysis Science and Technology</i> , 2020 , 10, 4917-4922	5.5	2
165	Photochemical aging of Beijing urban PM: Production of oxygenated volatile organic compounds. <i>Science of the Total Environment</i> , 2020 , 743, 140751	10.2	1

164	The Key Role of Sulfate in the Photochemical Renoxification on Real PM. <i>Environmental Science & Technology</i> , 2020 , 54, 3121-3128	10.3	12
163	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	7.9	4
162	High-performance natural-sunlight-driven Ag/AgCl photocatalysts with a cube-like morphology and blunt edges via a bola-type surfactant-assisted synthesis. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 3940-3952	3.6	10
161	Carbon Gels-Modified TiO: Promising Materials for Photocatalysis Applications. <i>Materials</i> , 2020 , 13,	3.5	9
160	Light-driven activation of carbon-halogen bonds by readily available amines for photocatalytic hydrodehalogenation. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 1474-1479	11.3	4
159	The vital role of surface Brønsted acid/base sites for the photocatalytic formation of free \cdot OH radicals. <i>Applied Catalysis B: Environmental</i> , 2020 , 266, 118634	21.8	36
158	Photocatalysis: an overview of recent developments and technological advancements. <i>Science China Chemistry</i> , 2020 , 63, 149-181	7.9	63
157	Enhanced Photochemical Volatile Organic Compounds Release from Fatty Acids by Surface-Enriched Fe(III). <i>Environmental Science & Technology</i> , 2020 , 54, 13448-13457	10.3	7
156	Photoinduced Uptake and Oxidation of SO on Beijing Urban PM. <i>Environmental Science & Technology</i> , 2020 , 54, 14868-14876	10.3	10
155	Quantitative isotope measurements in heterogeneous photocatalysis and electrocatalysis. <i>Energy and Environmental Science</i> , 2020 , 13, 2602-2617	35.4	11
154	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	21.8	10
153	Synthetic Approaches for C-N Bonds by TiO Photocatalysis. <i>Frontiers in Chemistry</i> , 2019 , 7, 635	5	11
152	Photochemical Aging of Soot in the Aqueous Phase: Release of Dissolved Black Carbon and the Formation of O. <i>Environmental Science & Technology</i> , 2019 , 53, 12311-12319	10.3	22
151	TiO ₂ Photocatalysis for Transfer Hydrogenation. <i>Molecules</i> , 2019 , 24,	4.8	26
150	Efficient degradation of chloramphenicol by zero-valent iron microspheres and new insights in mechanisms. <i>Applied Catalysis B: Environmental</i> , 2019 , 256, 117876	21.8	31
149	Stable hybrid perovskite MAPb(I _{1-x} Br _x) ₃ for photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019 , 253, 41-48	21.8	36
148	Fabrication of β -phase AgI and BiO co-decorated BiOCl heterojunctions with enhanced photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2019 , 547, 1-13	9.3	24
147	Ligand directed debromination of tetrabromodiphenyl ether mediated by nickel under visible irradiation. <i>Environmental Science: Nano</i> , 2019 , 6, 1585-1593	7.1	8

146	Nitrate-Enhanced Oxidation of SO on Mineral Dust: A Vital Role of a Proton. <i>Environmental Science & Technology</i> , 2019 , 53, 10139-10145	10.3	13
145	MoS _x co-catalytic activation of HO by heterogeneous hemin catalyst under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2019 , 557, 301-310	9.3	8
144	Photocatalytic Hydrodehalogenation for the Removal of Halogenated Aromatic Contaminants. <i>ChemCatChem</i> , 2019 , 11, 258-268	5.2	16
143	Enhanced Photocatalytic Simultaneous Removals of Cr(VI) and Bisphenol A over Co(II)-Modified TiO ₂ . <i>Langmuir</i> , 2019 , 35, 276-283	4	25
142	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	21.8	70
141	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	16.4	93
140	Photochemical Aging of Beijing Urban PM: HONO Production. <i>Environmental Science & Technology</i> , 2018 , 52, 6309-6316	10.3	61
139	Catalytic hydrodehalogenation over supported gold: Electron transfer versus hydride transfer. <i>Applied Catalysis B: Environmental</i> , 2018 , 231, 262-268	21.8	17
138	TiO ₂ photocatalysis for C-Cl bond formation. <i>Catalysis Science and Technology</i> , 2018 , 8, 2030-2045	5.5	68
137	Enhanced photoreduction degradation of polybromodiphenyl ethers with FeO-g-CN under visible light irradiation. <i>RSC Advances</i> , 2018 , 8, 10914-10921	3.7	15
136	Weak-Bond-Based Photoreduction of Polybrominated Diphenyl Ethers on Graphene in Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 6711-6717	8.3	12
135	Enhancement of photocatalytic decarboxylation on TiO ₂ by water-induced change in adsorption-mode. <i>Applied Catalysis B: Environmental</i> , 2018 , 224, 376-382	21.8	18
134	Facial boron incorporation in hematite photoanode for enhanced photoelectrochemical water oxidation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 355, 290-297	4.7	11
133	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	11.5	37
132	Desulfurization of thiophenes in oils into H ₂ SO ₄ using molecular oxygen. <i>Applied Catalysis B: Environmental</i> , 2018 , 235, 207-213	21.8	19
131	Covalent Organic Frameworks: Promising Materials as Heterogeneous Catalysts for C-C Bond Formations. <i>Catalysts</i> , 2018 , 8, 404	4	24
130	TiO ₂ Photocatalyzed C-H Bond Transformation for C-Cl Coupling Reactions. <i>Catalysts</i> , 2018 , 8, 355	4	26
129	Hydrogen-Bond Bridged Water Oxidation on {001} Surfaces of Anatase TiO ₂ . <i>Journal of Physical Chemistry C</i> , 2017 , 121, 2251-2257	3.8	29

128	The Formation of Ti-H Species at Interface Is Lethal to the Efficiency of TiO-Based Dye-Sensitized Devices. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2083-2089	16.4	41
127	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	16.7	26
126	Aqueous Oxidations Started by TiO Photoinduced Holes Can Be a Rate-Determining Step. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 2048-2051	4.5	3
125	Modulating the photocatalytic redox preferences between anatase TiO {001} and {101} surfaces. <i>Chemical Communications</i> , 2017 , 53, 787-790	5.8	31
124	Localized TiIII mediated dissociative electron transfer for carbon halogen bond activation on TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2017 , 219, 322-328	21.8	10
123	Interfacial proton-coupled electron transfer in metal oxide semiconductor photocatalysis. <i>Research on Chemical Intermediates</i> , 2017 , 43, 4997-5009	2.8	2
122	Photocatalytic Dehydrogenation of Primary Alcohols: Selectivity Goes against Adsorptivity. <i>ACS Omega</i> , 2017 , 2, 4161-4172	3.9	23
121	Copper-Based Coordination Polymer Nanostructure for Visible Light Photocatalysis. <i>Advanced Materials</i> , 2016 , 28, 9776-9781	24	38
120	Mechanistic Studies of TiO Photocatalysis and Fenton Degradation of Hydrophobic Aromatic Pollutants in Water. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 3568-3574	4.5	12
119	Pivotal Role and Regulation of Proton Transfer in Water Oxidation on Hematite Photoanodes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2705-11	16.4	98
118	Doping-Promoted Solar Water Oxidation on Hematite Photoanodes. <i>Molecules</i> , 2016 , 21,	4.8	15
117	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	21.8	48
116	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	14.7	158
115	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, 5905-9	16.4	83
114	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, 3193-6	16.4	61
113	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, 17451-4	5.8	28
112	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, 25182-90	3.6	11
111	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	4.6	17

110	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, 2052-6	16.4	28
109	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, 2080-2084	3.6	9
108	Activation of Water in Titanium Dioxide Photocatalysis by Formation of Surface Hydrogen Bonds: An In Situ IR Spectroscopy Study. <i>Angewandte Chemie</i> , 2015 , 127, 6003-6007	3.6	10
107	Spherical and sheetlike Ag/AgCl nanostructures: interesting photocatalysts with unusual facet-dependent yet substrate-sensitive reactivity. <i>Langmuir</i> , 2015 , 31, 602-10	4	32
106	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, 3024-31	10.3	11
105	Essential Roles of Proton Transfer in Photocatalytic Redox Reactions. <i>ChemCatChem</i> , 2015 , 7, 724-731	5.2	27
104	Nonmetal P-doped hematite photoanode with enhanced electron mobility and high water oxidation activity. <i>Energy and Environmental Science</i> , 2015 , 8, 1231-1236	35.4	175
103	Selective aerobic oxidation mediated by TiO(2) photocatalysis. <i>Accounts of Chemical Research</i> , 2014 , 47, 355-63	24.3	225
102	Iron(III)-mediated photocatalytic selective substitution of aryl bromine by chlorine with high chloride utilization efficiency. <i>Chemical Communications</i> , 2014 , 50, 2344-6	5.8	11
101	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, 6550-4	3.6	21
100	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, 4160-9	9.5	15
99	Control of Exposed Facet and Morphology of Anatase Crystals through TiO _x F _y Precursor Synthesis and Impact of the Facet on Crystal Phase Transition. <i>Chemistry of Materials</i> , 2014 , 26, 1014-1018	9.6	24
98	Rapid, photocatalytic, and deep debromination of polybrominated diphenyl ethers on Pd-TiO ₂ : intermediates and pathways. <i>Chemistry - A European Journal</i> , 2014 , 20, 11163-70	4.8	28
97	Selective oxidation of arsenite by peroxymonosulfate with high utilization efficiency of oxidant. <i>Environmental Science & Technology</i> , 2014 , 48, 3978-85	10.3	88
96	Gradient FeO(x)(PO ₄)(y) layer on hematite photoanodes: novel structure for efficient light-driven water oxidation. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 12844-51	9.5	43
95	Peroxymonosulfate activation by phosphate anion for organics degradation in water. <i>Chemosphere</i> , 2014 , 117, 582-5	8.4	122
94	UV-assisted removal of inactive peroxide species for sustained epoxidation of cyclooctene on anatase TiO ₂ . <i>Chemistry - A European Journal</i> , 2014 , 20, 6277-82	4.8	5
93	Mechanism of photocatalytic oxidation of guanine by BiOBr under UV irradiation. <i>Catalysis Communications</i> , 2014 , 48, 65-68	3.2	7

92	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, 8714-21	16.4	39
91	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, 1861-70	4.8	12
90	Unraveling the photocatalytic mechanisms on TiO ₂ surfaces using the oxygen-18 isotopic label technique. <i>Molecules</i> , 2014 , 19, 16291-311	4.8	37
89	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	4.8	1
88	Surfactant-additive-free synthesis of 3D anatase TiO ₂ hierarchical architectures with enhanced photocatalytic activity. <i>RSC Advances</i> , 2013 , 3, 17559	3.7	25
87	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	3.6	9
86	Concerted two-electron transfer and high selectivity of TiO ₂ in photocatalyzed deoxygenation of epoxides. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 12636-40	16.4	18
85	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, 12709-16	3.6	16
84	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	3.2	9
83	Sensitization of Titania Semiconductor: A Promising Strategy to Utilize Visible Light 2013 , 199-240		5
82	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	21.8	89
81	Selective aerobic oxidation of amines to imines by TiO ₂ photocatalysis in water. <i>Chemical Communications</i> , 2013 , 49, 5034-6	5.8	84
80	Photoreductive debromination of decabromodiphenyl ethers in the presence of carboxylates under visible light irradiation. <i>Environmental Science & Technology</i> , 2013 , 47, 2370-7	10.3	46
79	Concerted Two-Electron Transfer and High Selectivity of TiO ₂ in Photocatalyzed Deoxygenation of Epoxides. <i>Angewandte Chemie</i> , 2013 , 125, 12868-12872	3.6	3
78	Direct Four-Electron Reduction of O ₂ to H ₂ O on TiO ₂ Surfaces by Pendant Proton Relay. <i>Angewandte Chemie</i> , 2013 , 125, 9868-9872	3.6	20
77	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, 9686-90	16.4	74
76	Visible-light-induced selective photocatalytic aerobic oxidation of amines into imines on TiO ₂ . <i>Chemistry - A European Journal</i> , 2012 , 18, 2624-31	4.8	159
75	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, 2030-9	4.8	48

74	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	7.9	4
73	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	6.4	41
72	Photocatalytic debromination of preloaded decabromodiphenyl ether on the TiO ₂ surface in aqueous system. <i>Chemosphere</i> , 2012 , 89, 420-5	8.4	36
71	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, 12584-9	4.8	62
70	Photocatalytic debromination of decabromodiphenyl ether by graphitic carbon nitride. <i>Science China Chemistry</i> , 2012 , 55, 2532-2536	7.9	17
69	Photocatalytic degradation of aromatic pollutants: a pivotal role of conduction band electron in distribution of hydroxylated intermediates. <i>Environmental Science & Technology</i> , 2012 , 46, 5093-9	10.3	37
68	The Surface-Structure Sensitivity of Dioxygen Activation in the Anatase-Photocatalyzed Oxidation Reaction. <i>Angewandte Chemie</i> , 2012 , 124, 3242-3246	3.6	20
67	The surface-structure sensitivity of dioxygen activation in the anatase-photocatalyzed oxidation reaction. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 3188-92	16.4	79
66	Photodegradation of organic pollutants catalyzed by iron species under visible light irradiation. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 1957-69	3.6	49
65	Electrocatalytic reduction of CO ₂ to CO by polypyridyl ruthenium complexes. <i>Chemical Communications</i> , 2011 , 47, 12607-9	5.8	185
64	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	3.8	35
63	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	3.8	51
62	Grafting silica species on anatase surface for visible light photocatalytic activity. <i>Energy and Environmental Science</i> , 2011 , 4, 2279	35.4	41
61	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, 2264-8	4.5	22
60	Visible-light-driven photocatalytic degradation of microcystin-LR by Bi-doped TiO ₂ . <i>Research on Chemical Intermediates</i> , 2011 , 37, 47-60	2.8	16
59	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	7.9	16
58	A new type of covalent-functional graphene donor-acceptor hybrid and its improved photoelectrochemical performance. <i>Science China Chemistry</i> , 2011 , 54, 1622-1626	7.9	15
57	Selective Formation of Imines by Aerobic Photocatalytic Oxidation of Amines on TiO ₂ . <i>Angewandte Chemie</i> , 2011 , 123, 4020-4023	3.6	66

56	Selective formation of imines by aerobic photocatalytic oxidation of amines on TiO ₂ . <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 3934-7	16.4	347
55	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	14.7	226
54	Controllable Synthesis of 3D Thorny Plasmonic Gold Nanostructures and Their Tunable Optical Properties. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 23256-23260	3.8	25
53	Photocatalytic Degradation of Organic Contaminants on Mineral Surfaces 2011 , 91-111		1
52	Photocatalytic Degradation of Organic Pollutants by Co-Doped TiO ₂ Under Visible Light Irradiation. <i>Current Organic Chemistry</i> , 2010 , 14, 630-644	1.7	28
51	Sonochemical Hydrogen Production Efficiently Catalyzed by Au/TiO ₂ . <i>Journal of Physical Chemistry C</i> , 2010 , 114, 17728-17733	3.8	38
50	Photochemical cycling of iron mediated by dicarboxylates: special effect of malonate. <i>Environmental Science & Technology</i> , 2010 , 44, 263-8	10.3	53
49	Semiconductor-mediated photodegradation of pollutants under visible-light irradiation. <i>Chemical Society Reviews</i> , 2010 , 39, 4206-19	58.5	1785
48	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, 11859-66	4.8	32
47	Photocatalytic Aerobic Oxidation of Alcohols on TiO ₂ : The Acceleration Effect of a Brønsted Acid. <i>Angewandte Chemie</i> , 2010 , 122, 8148-8151	3.6	39
46	Photocatalytic aerobic oxidation of alcohols on TiO ₂ : the acceleration effect of a Brønsted acid. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7976-9	16.4	208
45	Effect of dye-metal complexation on photocatalytic decomposition of the dyes on TiO ₂ under visible irradiation. <i>Journal of Environmental Sciences</i> , 2009 , 21, 263-7	6.4	8
44	Oxygen Atom Transfer in the Photocatalytic Oxidation of Alcohols by TiO ₂ : Oxygen Isotope Studies. <i>Angewandte Chemie</i> , 2009 , 121, 6197-6200	3.6	61
43	Pivotal role of fluorine in tuning band structure and visible-light photocatalytic activity of nitrogen-doped TiO ₂ . <i>Chemistry - A European Journal</i> , 2009 , 15, 4765-9	4.8	70
42	Oxygen atom transfer in the photocatalytic oxidation of alcohols by TiO ₂ : oxygen isotope studies. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6081-4	16.4	253
41	Light-assisted decomposition of dyes over iron-bearing soil clays in the presence of H ₂ O ₂ . <i>Journal of Hazardous Materials</i> , 2009 , 168, 1246-52	12.8	36
40	Effects of hydroxyl radicals and oxygen species on the 4-chlorophenol degradation by photoelectrocatalytic reactions with TiO ₂ -film electrodes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009 , 208, 66-77	4.7	83
39	TiO ₂ -mediated photocatalytic debromination of decabromodiphenyl ether: kinetics and intermediates. <i>Environmental Science & Technology</i> , 2009 , 43, 157-62	10.3	123

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- 1 Self-assembled BiVO₄ mesocrystals for efficient photocatalytic decontamination of microcystin-LR.
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