Yanbiao Liu

List of Publications by Year in Descending Order

142 papers	4,359 citations	40 h-index	62 g-index
146 ext. papers	5,593 ext. citations	9.9 avg, IF	5.98 L-index

#	Paper	IF	Citations
142	Recent advances on the treatment of domestic wastewater by biological aerated filter **2022**, 155-170		
141	Biochemical characterization of a novel azo reductase named BVU5 from the bacterial flora DDMZ1: application for decolorization of azo dyes.. *RSC Advances*, **2022**, 12, 1968-1981	3.7	1
140	Motivation of reactive oxygen and nitrogen species by a novel non-thermal plasma coupled with calcium peroxide system for synergistic removal of sulfamethoxazole in waste activated sludge.. *Water Research*, **2022**, 212, 118128	12.5	2
139	Photocatalytic degradation of tetracycline by using a regenerable (Bi)BiOBr/rGO composite. *Journal of Cleaner Production*, **2022**, 339, 130771	10.3	4
138	Quantitative structure-activity relationship study on the degradation of polyhalogenated carbazoles by sulfidated zero-valent iron/peroxymonosulfate system. *Journal of Environmental Chemical Engineering*, **2022**, 10, 107244	6.8	0
137	Singlet oxygen mediated photocatalytic Antimonite decontamination in water using nanoconfined TiO2. *Chemical Engineering Journal*, **2022**, 435, 134832	14.7	1
136	Atomic H* enhanced electrochemical recovery towards high-value-added metallic Sb from complex mine flotation wastewater. *Resources, Conservation and Recycling*, **2022**, 178, 106020	11.9	2
135	Boosting the efficiency of Fe-MoS2/peroxymonosulfate catalytic systems for organic pollutants remediation: Insights into edge-site atomic coordination. *Chemical Engineering Journal*, **2022**, 433, 134511	14.7	2
134	Recent advances in antimony removal using carbon-based nanomaterials: A review. *Frontiers of Environmental Science and Engineering*, **2022**, 16, 1	5.8	4
133	Revisiting the adsorption of antimony on manganese dioxide: The overlooked dissolution of manganese. *Chemical Engineering Journal*, **2022**, 429, 132468	14.7	3
132	Transformation of polyvinyl chloride (PVC) into a versatile and efficient adsorbent of Cu(II) cations and Cr(VI) anions through hydrothermal treatment and sulfonation. *Journal of Hazardous Materials*, **2022**, 423, 126973	12.8	4
131	Peroxymonosulfate activation by FeO-MnO/CNT nanohybrid electroactive filter towards ultrafast micropollutants decontamination: Performance and mechanism. *Journal of Hazardous Materials*, **2022**, 423, 127111	12.8	11
130	Metal-Coordinated Nanofiltration Membranes Constructed on Metal Ions Blended Support toward Enhanced Dye/Salt Separation and Antifouling Performances.. *Membranes*, **2022**, 12,	3.8	1
129	Peroxymonosulfate Activation by Photoelectroactive Nanohybrid Filter towards Effective Micropollutant Decontamination. *Catalysts*, **2022**, 12, 416	4	
128	Effect of cations on surfactant induced membrane wetting during membrane distillation. *Desalination*, **2022**, 532, 115739	10.3	0
127	Ultrafast degradation of micropollutants in water via electro-periodate activation catalyzed by nanoconfined Fe2O3. *Applied Catalysis B: Environmental*, **2022**, 309, 121289	21.8	2
126	Carbon Nanotubes Functionalized with Calcium Carbonate for Flow-Through Sequential Electrochemical Phosphate Recovery. *ACS ES&T Water*, **2022**, 2, 206-215		3

125	Electrified carbon nanotube membrane technology for water treatment **2022**, 111-140		0
124	Selective formation of reactive oxygen species in peroxymonosulfate activation by metal-organic framework-derived membranes: A defect engineering-dependent study. *Applied Catalysis B: Environmental*, **2022**, 312, 121419	21.8	1
123	Interception of volatile organic compounds through CNT electrochemistry of electrified membrane surface during membrane distillation. *Separation and Purification Technology*, **2022**, 121380	8.3	0
122	Decontamination of Aqueous Heavy Metal Ions by Valence Regulation Strategy **2021**, 453-465		
121	An electroactive single-atom copper anchored MXene nanohybrid filter for ultrafast water decontamination. *Journal of Materials Chemistry A*, **2021**, 9, 25964-25973	13	6
120	Metals pollution from textile production wastewater in Chinese southeastern coastal area: occurrence, source identification, and associated risk assessment. *Environmental Science and Pollution Research*, **2021**, 28, 38689-38697	5.1	2
119	A novel electrocatalytic filtration system with carbon nanotube supported nanoscale zerovalent copper toward ultrafast oxidation of organic pollutants. *Water Research*, **2021**, 194, 116961	12.5	31
118	Redox-Active Nanohybrid Filter for Selective Recovery of Gold from Water. *ACS ES&T Engineering*, **2021**, 1, 1342-1350		1
117	Engineering carbon nanocatalysts towards efficient degradation of emerging organic contaminants via persulfate activation: A review. *Chinese Chemical Letters*, **2021**, 33, 1-1	8.1	13
116	Highly-active, metal-free, carbon-based ORR cathode for efficient organics removal and electricity generation in a PFC system. *Chinese Chemical Letters*, **2021**, 32, 2212-2216	8.1	18
115	Simultaneous decontamination of arsenite and antimonite using an electrochemical CNT filter functionalized with nanoscale goethite. *Chemosphere*, **2021**, 274, 129790	8.4	7
114	Inhibitory effect of released phosphate on the ability of nano zero valent iron to boost anaerobic digestion of waste-activated sludge and the remediation method. *Chemical Engineering Journal*, **2021**, 405, 126506	14.7	9
113	Evolution of microbial populations and impacts of microbial activity in the anaerobic-oxic-settling-anaerobic process for simultaneous sludge reduction and dyeing wastewater treatment. *Journal of Cleaner Production*, **2021**, 282, 124403	10.3	7
112	Sea urchin-like FeOOH functionalized electrochemical CNT filter for one-step arsenite decontamination. *Journal of Hazardous Materials*, **2021**, 407, 124384	12.8	9
111	From the accelerated production of ⦁OH radicals to the crosslinking of polyvinyl alcohol: The role of free radicals initiated by persulfates. *Applied Catalysis B: Environmental*, **2021**, 285, 119763	21.8	3
110	A novel UiO-66/PSF-composite membrane for the rejection of multiple antibiotics: Numerical simulation and experiment verification. *Chemosphere*, **2021**, 269, 128686	8.4	4
109	Silicate-Enhanced Heterogeneous Flow-Through Electro-Fenton System Using Iron Oxides under Nanoconfinement. *Environmental Science & Technology*, **2021**, 55, 4045-4053	10.3	45
108	Core-shell ZVI@carbon composites reduce phosphate inhibition of ZVI dissolution and enhance methane production in an anaerobic sewage treatment. *Water Research*, **2021**, 199, 117197	12.5	4

107	Extremely efficient electro-Fenton-like Sb(III) detoxification using nanoscale Ti-Ce binary oxide: An effective design to boost catalytic activity via non-radical pathway. *Chinese Chemical Letters*, **2021**, 32, 2519-2523	8.1	7
106	Defect-Rich Hierarchical Porous UiO-66(Zr) for Tunable Phosphate Removal. *Environmental Science & Technology*, **2021**, 55, 13209-13218	10.3	5
105	Construction of Loose Positively Charged NF Membrane by Layer-by-Layer Grafting of Polyphenol and Polyethyleneimine on the PES/Fe Substrate for Dye/Salt Separation. *Membranes*, **2021**, 11,	3.8	2
104	A critical review of the aniline transformation fate in azo dye wastewater treatment. *Journal of Cleaner Production*, **2021**, 321, 128971	10.3	12
103	Robust dual-layer Janus membranes with the incorporation of polyphenol/Fe3+ complex for enhanced anti-oil fouling performance in membrane distillation. *Desalination*, **2021**, 515, 115184	10.3	9
102	Selective adsorption and fluorescence sensing of tetracycline by Zn-mediated chitosan non-woven fabric. *Journal of Colloid and Interface Science*, **2021**, 603, 418-429	9.3	3
101	Development of Atomic Hydrogen-Mediated Electrocatalytic Filtration System for Peroxymonosulfate Activation Towards Ultrafast Degradation of Emerging Organic Contaminants. *Applied Catalysis B: Environmental*, **2021**, 298, 120593	21.8	9
100	Why does sludge-based hydochar activate peroxydisulfate to remove atrazine more efficiently than pyrochar?. *Applied Catalysis B: Environmental*, **2021**, 299, 120663	21.8	3
99	Simultaneous removal of antimony, chromium and aniline by forward osmosis membrane: Preparation, performance and mechanism. *Desalination*, **2021**, 520, 115363	10.3	5
98	Carbon nanotube filter functionalized with MIL-101(Fe) for enhanced flow-through electro-Fenton. *Environmental Research*, **2021**, 204, 112117	7.9	10
97	Prospects of an Electroactive Carbon Nanotube Membrane toward Environmental Applications. *Accounts of Chemical Research*, **2020**, 53, 2892-2902	24.3	62
96	An Affordable Carbon Nanotube Filter Functionalized with Nanoscale Zerovalent Iron for One-Step Sb(III) Decontamination. *Environmental Engineering Science*, **2020**, 37, 490-496	2	1
95	S-TiO/UiO-66-NH composite for boosted photocatalytic Cr(VI) reduction and bisphenol A degradation under LED visible light. *Journal of Hazardous Materials*, **2020**, 399, 123085	12.8	56
94	Functionalized electrospun nanofiber membranes for water treatment: A review. *Science of the Total Environment*, **2020**, 739, 139944	10.2	75
93	A ClO-mediated photoelectrochemical filtration system for highly-efficient and complete ammonia conversion. *Journal of Hazardous Materials*, **2020**, 400, 123246	12.8	16
92	Mitigation of Membrane Fouling Using an Electroactive Polyether Sulfone Membrane. *Membranes*, **2020**, 10,	3.8	7
91	Ultrasensitive detection of amoxicillin by TiO-g-CN@AuNPs impedimetric aptasensor: Fabrication, optimization, and mechanism. *Journal of Hazardous Materials*, **2020**, 391, 122024	12.8	33
90	Rapid and selective electrochemical transformation of ammonia to N by substoichiometric TiO-based electrochemical system.. *RSC Advances*, **2020**, 10, 1219-1225	3.7	5

89	The key factors and removal mechanisms of sulfadimethoxazole and oxytetracycline by coagulation. *Environmental Science and Pollution Research*, **2020**, 27, 16167-16176	5.1	5
88	Application of advanced anodes in microbial fuel cells for power generation: A review. *Chemosphere*, **2020**, 248, 125985	8.4	82
87	Ultra-fast detoxification of Sb(III) using a flow-through TiO2-nanotubes-array-mesh based photoelectrochemical system. *Chemical Engineering Journal*, **2020**, 387, 124155	14.7	16
86	A Bifunctional Electroactive Ti4O7-Based Membrane System for Highly Efficient Ammonia Decontamination. *Catalysts*, **2020**, 10, 383	4	2
85	Deciphering the mechanism of carbon sources inhibiting recolorization in the removal of refractory dye: Based on an untargeted LC-MS metabolomics approach. *Bioresource Technology*, **2020**, 307, 123248	11	10
84	Recent advances on electroactive CNT-based membranes for environmental applications: The perfect match of electrochemistry and membrane separation. *Chinese Chemical Letters*, **2020**, 31, 2539-2548	8.1	44
83	Supported Atomically-Precise Gold Nanoclusters for Enhanced Flow-through Electro-Fenton. *Environmental Science & Technology*, **2020**, 54, 5913-5921	10.3	59
82	Role of Interspecies Electron Transfer for Boosting Methane Production by Anaerobic Digestion in Syntrophic Methanogenesis **2020**, 65-77		
81	Co-metabolic degradation of refractory dye: A metagenomic and metaproteomic study. *Environmental Pollution*, **2020**, 256, 113456	9.3	17
80	Stabilizing lactate production through repeated batch fermentation of food waste and waste activated sludge. *Bioresource Technology*, **2020**, 300, 122709	11	21
79	Ultra-rapid detoxification of Sb(III) using a flow-through electro-fenton system. *Chemosphere*, **2020**, 245, 125604	8.4	9
78	Direct contact membrane distillation of refining waste stream from precious metal recovery: Chemistry of silica and chromium (III) in membrane scaling. *Journal of Membrane Science*, **2020**, 598, 117803	8.6	14
77	One-step phosphite removal by an electroactive CNT filter functionalized with TiO/CeO nanocomposites. *Science of the Total Environment*, **2020**, 710, 135514	10.2	6
76	Application of Fenton pre-oxidation, Ca-induced coagulation, and sludge reclamation for enhanced treatment of ultra-high concentration poly(vinyl alcohol) wastewater. *Journal of Hazardous Materials*, **2020**, 389, 121866	12.8	9
75	One-step Sb(III) decontamination using a bifunctional photoelectrochemical filter. *Journal of Hazardous Materials*, **2020**, 389, 121840	12.8	27
74	Rapid decontamination of tetracycline hydrolysis product using electrochemical CNT filter: Mechanism, impacting factors and pathways. *Chemosphere*, **2020**, 244, 125525	8.4	18
73	Simultaneous energy harvest and nitrogen removal using a supercapacitor microbial fuel cell. *Environmental Pollution*, **2020**, 266, 115154	9.3	10
72	Singlet Oxygen-Mediated Electrochemical Filter for Selective and Rapid Degradation of Organic Compounds. *Industrial & Engineering Chemistry Research*, **2020**, 59, 14180-14187	3.9	5

71	Carbon nanotube filter functionalized with iron oxychloride for flow-through electro-Fenton. *Applied Catalysis B: Environmental*, **2020**, 260, 118204	21.8	59
70	Spherical Cu2O-Fe3O4@chitosan bifunctional catalyst for coupled Cr-organic complex oxidation and Cr(VI) capture-reduction. *Chemical Engineering Journal*, **2020**, 383, 123105	14.7	24
69	Role of GAC-MnO2 catalyst for triggering the extracellular electron transfer and boosting CH4 production in syntrophic methanogenesis. *Chemical Engineering Journal*, **2020**, 383, 123211	14.7	33
68	Boosting Cr(VI) detoxification and sequestration efficiency with carbon nanotube electrochemical filter functionalized with nanoscale polyaniline: Performance and mechanism. *Science of the Total Environment*, **2019**, 695, 133926	10.2	20
67	Durability and performance of loofah sponge as carrier for wastewater treatment with high ammonium. *Water Environment Research*, **2019**, 91, 581-587	2.8	6
66	Engineering Reusable Sponge of Cobalt Heterostructures for Highly Efficient Organic Pollutants Degradation via Peroxymonosulfate Activation. *ChemNanoMat*, **2019**, 5, 547-557	3.5	3
65	A novel method for textile odor removal using engineered water nanostructures.. *RSC Advances*, **2019**, 9, 17726-17736	3.7	10
64	A crosslinking-induced precipitation process for the simultaneous removal of poly(vinyl alcohol) and reactive dye: The importance of covalent bond forming and magnesium coagulation. *Chemical Engineering Journal*, **2019**, 374, 904-913	14.7	45
63	Simultaneous oxidation and sorption of highly toxic Sb(III) using a dual-functional electroactive filter. *Environmental Pollution*, **2019**, 251, 72-80	9.3	28
62	A chloride-radical-mediated electrochemical filtration system for rapid and effective transformation of ammonia to nitrogen. *Chemosphere*, **2019**, 229, 383-391	8.4	18
61	Recent advances on photocatalytic fuel cell for environmental applications-The marriage of photocatalysis and fuel cells. *Science of the Total Environment*, **2019**, 668, 966-978	10.2	95
60	Fructose as an additional co-metabolite promotes refractory dye degradation: Performance and mechanism. *Bioresource Technology*, **2019**, 280, 430-440	11	24
59	Removal of active dyes by ultrafiltration membrane pre-deposited with a PSFM coagulant: Performance and mechanism. *Chemosphere*, **2019**, 223, 204-210	8.4	14
58	Electroactive Filter Technology for Water Treatment **2019**, 43-55		
57	Nanoscale iron (oxyhydr)oxide-modified carbon nanotube filter for rapid and effective Sb(iii) removal.. *RSC Advances*, **2019**, 9, 18196-18204	3.7	12
56	Sugar sources as Co-substrates promoting the degradation of refractory dye: A comparative study. *Ecotoxicology and Environmental Safety*, **2019**, 184, 109613	7	10
55	CFD simulations of fiber-fiber interaction in a hollow fiber membrane bundle: Fiber distance and position matters. *Separation and Purification Technology*, **2019**, 209, 707-713	8.3	16
54	Electroactive Modified Carbon Nanotube Filter for Simultaneous Detoxification and Sequestration of Sb(III). *Environmental Science & Technology*, **2019**, 53, 1527-1535	10.3	78

53	Performance and microbial protein expression during anaerobic treatment of alkali-decrement wastewater using a strengthened circulation anaerobic reactor. *Bioresource Technology*, **2019**, 273, 40-48	11	3
52	Treatment of Typical Organic Pollutants in Textile Wastewater by Direct Contact Membrane Distillation. *Environmental Processes*, **2018**, 5, 77-85	2.8	2
51	Conductive 3D sponges for affordable and highly-efficient water purification. *Nanoscale*, **2018**, 10, 4771-4778	7.7	46
50	Correlating microbial community structure with operational conditions in biological aerated filter reactor for efficient nitrogen removal of municipal wastewater. *Bioresource Technology*, **2018**, 250, 374-381	11	23
49	A software sensor model based on hybrid fuzzy neural network for rapid estimation water quality in Guangzhou section of Pearl River, China. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2018**, 53, 91-98	2.3	4
48	Microbial uniqueness of architecture modified loofah sponge as biological filler for efficient nitrogen removal. *Bioresource Technology Reports*, **2018**, 3, 95-101	4.1	10
47	Tuning the adsorption behaviour of □structure chitosan by metal binding. *Environmental Chemistry* , **2018**, 15, 267	3.2	3
46	Granulation process in an expanded granular sludge blanket (EGSB) reactor for domestic sewage treatment: Impact of extracellular polymeric substances compositions and evolution of microbial population. *Bioresource Technology*, **2018**, 269, 153-161	11	35
45	Direct contact membrane distillation for the treatment of industrial dyeing wastewater and characteristic pollutants. *Separation and Purification Technology*, **2018**, 195, 83-91	8.3	108
44	Anaerobic biodegradation and decolorization of a refractory acid dye by a forward osmosis membrane bioreactor. *Environmental Science: Water Research and Technology*, **2018**, 4, 272-280	4.2	23
43	Cyclodextrin□gold nanocluster decorated TiO2 enhances photocatalytic decomposition of organic pollutants. *Journal of Materials Chemistry A*, **2018**, 6, 1102-1108	13	69
42	Rational Design of High-Performance Continuous-Flow Microreactors Based on Gold Nanoclusters and Graphene for Catalysis. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 15425-15433	8.3	17
41	Recent advances in anaerobic biological processes for textile printing and dyeing wastewater treatment: a mini-review. *World Journal of Microbiology and Biotechnology*, **2018**, 34, 165	4.4	59
40	Ligand-Free Nano-Au Catalysts on Nitrogen-Doped Graphene Filter for Continuous Flow Catalysis. *Nanomaterials*, **2018**, 8,	5.4	3
39	Treatment of industrial dyeing wastewater with a pilot-scale strengthened circulation anaerobic reactor. *Bioresource Technology*, **2018**, 264, 154-162	11	47
38	Golden Carbon Nanotube Membrane for Continuous Flow Catalysis. *Industrial & Engineering Chemistry Research*, **2017**, 56, 2999-3007	3.9	78
37	Development of electro-active forward osmosis membranes to remove phenolic compounds and reject salts. *Environmental Science: Water Research and Technology*, **2017**, 3, 139-146	4.2	17
36	Conductive Cotton Filters for Affordable and Efficient Water Purification. *Catalysts*, **2017**, 7, 291	4	6

35	Highly Luminescent Thiolated Gold Nanoclusters Impregnated in Nanogel. *Chemistry of Materials*, **2016**, 28, 4009-4016	9.6	173
34	Template-Assisted Fabrication of Thin-Film Composite Forward-Osmosis Membrane with Controllable Internal Concentration Polarization. *Industrial & Engineering Chemistry Research*, **2016**, 55, 5327-5334	3.9	28
33	Gold nanocluster sensitized TiO2 nanotube arrays for visible-light driven photoelectrocatalytic removal of antibiotic tetracycline. *Nanoscale*, **2016**, 8, 10145-51	7.7	80
32	Nitrogen-doped graphene nanosheets as reactive water purification membranes. *Nano Research*, **2016**, 9, 1983-1993	10	67
31	Emerging nanotechnology for environmental applications. *Nanotechnology Reviews*, **2016**, 5, 1-2	6.3	11
30	Degradation of the Common Aqueous Antibiotic Tetracycline using a Carbon Nanotube Electrochemical Filter. *Environmental Science & Technology*, **2015**, 49, 7974-80	10.3	144
29	Electrochemical wastewater treatment with carbon nanotube filters coupled with in situ generated H2O2. *Environmental Science: Water Research and Technology*, **2015**, 1, 769-778	4.2	63
28	Rapid adsorption removal of arsenate by hydrous cerium oxide–graphene composite. *RSC Advances*, **2015**, 5, 64983-64990	3.7	70
27	Engineering noble metal nanomaterials for environmental applications. *Nanoscale*, **2015**, 7, 7502-19	7.7	104
26	Quantitative 2D electrooxidative carbon nanotube filter model: Insight into reactive sites. *Carbon*, **2014**, 80, 651-664	10.4	21
25	A graphene-based electrochemical filter for water purification. *Journal of Materials Chemistry A*, **2014**, 2, 16554-16562	13	87
24	Photoeletrocatalytic activity of an n-ZnO/p-Cu2O/n-TNA ternary heterojunction electrode for tetracycline degradation. *Journal of Hazardous Materials*, **2013**, 262, 482-8	12.8	46
23	Preparation of well-aligned WO3 nanoflake arrays vertically grown on tungsten substrate as photoanode for photoelectrochemical water splitting. *Electrochemistry Communications*, **2012**, 20, 153-156	5.1	45
22	The hazardous hexavalent chromium formed on trivalent chromium conversion coating: The origin, influence factors and control measures. *Journal of Hazardous Materials*, **2012**, 221-222, 56-61	12.8	14
21	Assessment of a COD analytical method based on the photoelectrocatalysis of a TiO2 nanotube array sensor. *Analytical Methods*, **2012**, 4, 1790	3.2	11
20	Photoelectrocatalytic degradation of refractory organic compounds enhanced by a photocatalytic fuel cell. *Applied Catalysis B: Environmental*, **2012**, 111-112, 485-491	21.8	102
19	Efficient electricity production and simultaneously wastewater treatment via a high-performance photocatalytic fuel cell. *Water Research*, **2011**, 45, 3991-8	12.5	126
18	A TiO2-nanotube-array-based photocatalytic fuel cell using refractory organic compounds as substrates for electricity generation. *Chemical Communications*, **2011**, 47, 10314-6	5.8	144

17	Highly stable CdS-modified short TiO2 nanotube array electrode for efficient visible-light hydrogen generation. *International Journal of Hydrogen Energy*, **2011**, 36, 167-174	6.7	106
16	Enhanced Photoelectrochemical Properties of Cu2O-loaded Short TiO2 Nanotube Array Electrode Prepared by Sonoelectrochemical Deposition. *Nano-Micro Letters*, **2010**, 2, 277-284	19.5	51
15	Photoelectrochemical degradation of methyl orange by TiO(2) nanopore arrays electrode and its comparison with TiO(2) nanotube arrays electrode. *Water Science and Technology*, **2010**, 62, 2783-9	2.2	1
14	A novel thin-layer photoelectrocatalytic (PEC) reactor with double-faced titania nanotube arrays electrode for effective degradation of tetracycline. *Applied Catalysis B: Environmental*, **2010**, 98, 154-160	21.8	50
13	A new glass substrate photoelectrocatalytic electrode for efficient visible-light hydrogen production: CdS sensitized TiO2 nanotube arrays. *Applied Catalysis B: Environmental*, **2010**, 95, 408-413	21.8	115
12	Kinetics and Mechanisms for Photoelectrochemical Degradation of Glucose on Highly Effective Self-Organized TiO2 Nanotube Arrays. *Chinese Journal of Catalysis*, **2010**, 31, 163-170	11.3	10
11	Enhanced Photoelectrochemical Properties of Cu2O-loaded Short TiO2 Nanotube Array Electrode Prepared by Sonoelectrochemical Deposition **2010**, 2, 277		4
10	Kinetics and Mechanisms for Photoelectrochemical Degradation of Glucose on Highly Effective Self-Organized TiO2 Nanotube Arrays. *Chinese Journal of Catalysis*, **2010**, 31, 163-170	11.3	
9	Comparison of photoelectrochemical properties of TiO2-nanotube-array photoanode prepared by anodization in different electrolyte. *Environmental Chemistry Letters*, **2009**, 7, 363-368	13.3	38
8	Photoelectrocatalytic degradation of tetracycline by highly effective TiO2 nanopore arrays electrode. *Journal of Hazardous Materials*, **2009**, 171, 678-83	12.8	126
7	Efficient photochemical water splitting and organic pollutant degradation by highly ordered TiO2 nanopore arrays. *Applied Catalysis B: Environmental*, **2009**, 89, 142-148	21.8	77
6	Preparation of short, robust and highly ordered TiO2 nanotube arrays and their applications as electrode. *Applied Catalysis B: Environmental*, **2009**, 92, 326-332	21.8	61
5	Photoelectrocatalytic COD determination method using highly ordered TiO(2) nanotube array. *Water Research*, **2009**, 43, 1986-92	12.5	74
4	The formation mechanism of titania nanotube arrays in hydrofluoric acid electrolyte. *Journal of Materials Science*, **2008**, 43, 1880-1884	4.3	65
3	Self-Organized TiO2 Nanotube Array Sensor for the Determination of Chemical Oxygen Demand. *Advanced Materials*, **2008**, 20, 1044-1049	24	289
2	Light scattering of nanocrystalline TiO 2 film used in dye-sensitized solar cells. *Chinese Physics B*, **2008**, 17, 3713-3719	1.2	18
1	TiO2 nanotube arrays and TiO2-nanotube-array based dye-sensitized solar cell. *Science Bulletin*, **2007**, 52, 1585-1589		14