Jinping Jia

List of Publications by Year in descending order

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123	4,465	94433	128289
papers	citations	37 h-index	60 g-index

123	123	123	4799
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Combination of photocatalysis with hydrodynamic cavitation for degradation of tetracycline. Chemical Engineering Journal, 2017, 315, 274-282.	12.7	239
2	Visible Light Assisted Heterogeneous Fenton-Like Degradation of Organic Pollutant via Î±-FeOOH/Mesoporous Carbon Composites. Environmental Science & Technology, 2017, 51, 3993-4000.	10.0	229
3	Electrochemical nitrate reduction by using a novel Co 3 O 4 /Ti cathode. Water Research, 2017, 120, 1-11.	11.3	202
4	Highly reversible and ultra-fast lithium storage in mesoporous graphene-based TiO2/SnO2 hybrid nanosheets. Energy and Environmental Science, 2013, 6, 2447.	30.8	161
5	In situ fabrication of highly active Î³-MnO2/SmMnO3 catalyst for deep catalytic oxidation of gaseous benzene, ethylbenzene, toluene, and o-xylene. Journal of Hazardous Materials, 2019, 362, 178-186.	12.4	140
6	Comparative and competitive adsorption of Pb(II) and Cu(II) using tetraethylenepentamine modified chitosan/CoFe 2 O 4 particles. Journal of Hazardous Materials, 2017, 326, 211-220.	12.4	135
7	Binderless and Oxygen Vacancies Rich FeNi/Graphitized Mesoporous Carbon/Ni Foam for Electrocatalytic Reduction of Nitrate. Environmental Science & Technology, 2020, 54, 13344-13353.	10.0	106
8	Design of 3D MnO2/Carbon sphere composite for the catalytic oxidation and adsorption of elemental mercury. Journal of Hazardous Materials, 2018, 342, 69-76.	12.4	100
9	Effects of phase structure of MnO2 and morphology of Î´-MnO2 on toluene catalytic oxidation. Applied Surface Science, 2019, 496, 143662.	6.1	91
10	A BiOCl film synthesis from Bi2O3 film and its UV and visible light photocatalytic activity. Applied Catalysis B: Environmental, 2013, 140-141, 179-188.	20.2	90
11	Optimization and application of TiO2/Tiâ€“Pt photo fuel cell (PFC) to effectively generate electricity and degrade organic pollutants simultaneously. Water Research, 2014, 62, 1-10.	11.3	80
12	Novel recyclable adsorbent for the removal of copper(II) and lead(II) from aqueous solution. Bioresource Technology, 2017, 229, 63-68.	9.6	77
13	Treatment of mature landfill leachate by internal micro-electrolysis integrated with coagulation: A comparative study on a novel sequencing batch reactor based on zero valent iron. Journal of Hazardous Materials, 2012, 229-230, 426-433.	12.4	76
14	Manganese-based multi-oxide derived from spent ternary lithium-ions batteries as high-efficient catalyst for VOCs oxidation. Journal of Hazardous Materials, 2019, 380, 120905.	12.4	73
15	Evaluation of magnetic chitosan beads for adsorption of heavy metal ions. Science of the Total Environment, 2018, 627, 1396-1403.	8.0	72
16	Combination of Pdâ€“Cu Catalysis and Electrolytic H₂ Evolution for Selective Nitrate Reduction Using Protonated Polypyrrole as a Cathode. Environmental Science & Technology, 2019, 53, 13868-13877.	10.0	72
17	Catalytic Oxidation of VOCs over SmMnO₃ Perovskites: Catalyst Synthesis, Change Mechanism of Active Species, and Degradation Path of Toluene. Inorganic Chemistry, 2019, 58, 14275-14283.	4.0	70
18	Degradation of C.I. Reactive Red 2 through photocatalysis coupled with water jet cavitation. Journal of Hazardous Materials, 2011, 185, 315-321.	12.4	69

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19	Electrosorption-enhanced solid-phase microextraction using activated carbon fiber for determination of aniline in water. Journal of Chromatography A, 2007, 1165, 26-31.	3.7	64
20	Highly Active Mn_{3â€“x}Fe_xO₄ Spinel with Defects for Toluene Mineralization: Insights into Regulation of the Oxygen Vacancy and Active Metals. Inorganic Chemistry, 2019, 58, 13241-13249.	4.0	64
21	Impacts of the heavy metals Cu (II), Zn (II) and Fe (II) on an Anammox system treating synthetic wastewater in low ammonia nitrogen and low temperature: Fe (II) makes a difference. Science of the Total Environment, 2019, 648, 798-804.	8.0	61
22	Response of Anammox biofilm to antibiotics in trace concentration: Microbial activity, diversity and antibiotic resistance genes. Journal of Hazardous Materials, 2019, 367, 182-187.	12.4	61
23	Converting Ni-loaded biochars into supercapacitors: Implication on the reuse of exhausted carbonaceous sorbents. Scientific Reports, 2017, 7, 41523.	3.3	54
24	Direct Molten Polymerization Synthesis of Highly Active Samarium Manganese Perovskites with Different Morphologies for VOC Removal. Inorganic Chemistry, 2018, 57, 8451-8457.	4.0	53
25	Simultaneous removal of NOx and SO2 from flue gas using combined Na2SO3 assisted electrochemical reduction and direct electrochemical reduction. Journal of Hazardous Materials, 2014, 276, 371-376.	12.4	51
26	Electrochemical removal of nitrate using a nanosheet structured Co3O4/Ti cathode: Effects of temperature, current and pH adjusting. Separation and Purification Technology, 2020, 237, 116485.	7.9	51
27	Identification of the role of Cu site in Ni-Cu hydroxide for robust and high selective electrochemical ammonia oxidation to nitrite. Electrochimica Acta, 2020, 345, 136157.	5.2	51
28	Synthesis of MnO2 derived from spent lithium-ion batteries via advanced oxidation and its application in VOCs oxidation. Journal of Hazardous Materials, 2021, 406, 124743.	12.4	50
29	Degradation of dye wastewater in a thin-film photoelectrocatalytic (PEC) reactor with slant-placed TiO2/Ti anode. Chemical Engineering Journal, 2009, 150, 302-307.	12.7	49
30	Electrolytic nitrate reduction using Co3O4 rod-like and sheet-like cathodes with the control of (220) facet exposure and Co2+/Co3+ ratio. Electrochimica Acta, 2020, 362, 137121.	5.2	49
31	Natural COX-2 Inhibitors as Promising Anti-inflammatory Agents: An Update. Current Medicinal Chemistry, 2021, 28, 3622-3646.	2.4	47
32	Electrochemical study of enhanced nitrate removal in wastewater treatment using biofilm electrode. Bioresource Technology, 2018, 252, 134-142.	9.6	46
33	Study of Microcystis aeruginosa inhibition by electrochemical method. Biochemical Engineering Journal, 2007, 36, 215-220.	3.6	45
34	Preparation of cotton-based fibrous adsorbents for the removal of heavy metal ions. Carbohydrate Polymers, 2019, 225, 115218.	10.2	42
35	Permeable reactive barrier of surface hydrophobic granular activated carbon coupled with elemental iron for the removal of 2,4-dichlorophenol in water. Journal of Hazardous Materials, 2010, 184, 782-787.	12.4	40
36	An extremely rapid, convenient and mild coal desulfurization new process: Sodium borohydride reduction. Fuel Processing Technology, 2010, 91, 1162-1167.	7.2	38

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37	Design of a novel sequencing batch internal micro-electrolysis reactor for treating mature landfill leachate. Chemical Engineering Research and Design, 2012, 90, 2278-2286.	5.6	38
38	Mo isolated single atoms on S, N-codoped carbon as efficient catalyst for hydrogen evolution reaction: A theoretical evaluation. Applied Surface Science, 2019, 473, 770-776.	6.1	38
39	Sustainably recycling spent lithium-ion batteries to prepare magnetically separable cobalt ferrite for catalytic degradation of bisphenol A via peroxymonosulfate activation. Journal of Hazardous Materials, 2022, 427, 127910.	12.4	38
40	Constructing magnetically separable manganese-based spinel ferrite from spent ternary lithium-ion batteries for efficient degradation of bisphenol A via peroxymonosulfate activation. Chemical Engineering Journal, 2022, 435, 135000.	12.7	36
41	Recent advances of sodium borohydride reduction in coal water slurry desulfurization: integration of chemical and electrochemical reduction. RSC Advances, 2012, 2, 8867.	3.6	35
42	Decolorization of Rhodamine B in a thin-film photoelectrocatalytic (PEC) reactor with slant-placed TiO2 nanotubes electrode. Chemical Engineering Journal, 2012, 187, 29-35.	12.7	35
43	Mesoporous SBA-15 Supported Iron Oxide: A Potent Catalyst for Hydrogen Sulfide Removal. Water, Air, and Soil Pollution, 2008, 193, 247-257.	2.4	34
44	Fast removal of copper ions from aqueous solution using an ecoâ€“friendly fibrous adsorbent. Chemosphere, 2016, 161, 501-509.	8.2	34
45	An innovative strategy for inducing Anammox from partial nitrification process in a membrane bioreactor. Journal of Hazardous Materials, 2019, 379, 120809.	12.4	33
46	Promotional removal of oxygenated VOC over manganese-based multi oxides from spent lithium-ions manganate batteries: Modification with Fe, Bi and Ce dopants. Science of the Total Environment, 2020, 740, 139951.	8.0	33
47	Novel wedge structured rotating disk photocatalytic reactor for post-treatment of actual textile wastewater. Chemical Engineering Journal, 2015, 268, 10-20.	12.7	32
48	Long-term impact of sulfate on an autotrophic nitrogen removal system integrated partial nitrification, anammox and endogenous denitrification (PAED). Chemosphere, 2019, 235, 336-343.	8.2	32
49	Removal of carbon disulfide (CS2) from water via adsorption on active carbon fiber (ACF). Carbon, 2006, 44, 1367-1375.	10.3	31
50	Exploring adsorption behavior and oxidation mechanism of mercury on monolayer Ti2CO2 (MXenes) from first principles. Applied Surface Science, 2019, 464, 53-60.	6.1	31
51	Adsorption of heavy-metal ions from aqueous solution onto chitosan-modified polyethylene terephthalate (PET). Research on Chemical Intermediates, 2017, 43, 4213-4225.	2.7	29
52	Supercritical water oxidation of 2-, 3- and 4-nitroaniline: A study on nitrogen transformation mechanism. Chemosphere, 2018, 205, 426-432.	8.2	28
53	High proportion of 1ÂT phase MoS2 prepared by a simple solvothermal method for high-efficiency electrocatalytic hydrogen evolution. Chemical Engineering Journal, 2021, 422, 130100.	12.7	28
54	The stability of magnetic chitosan beads in the adsorption of Cu²⁺. RSC Advances, 2016, 6, 2678-2686.	3.6	27

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55	Unveiling Adsorption Mechanisms of Elemental Mercury on Defective Boron Nitride Monolayer: A Computational Study. Energy & Fuels, 2018, 32, 5331-5337.	5.1	27
56	Comparison of Electrochemical Behavior of Hydroxylâ€substituted and Nonhydroxylâ€substituted Azo Dyes at a Glassy Carbon Electrode. Journal of the Chinese Chemical Society, 2004, 51, 1319-1324.	1.4	26
57	A facile method for scalable preparation of mesoporous structured SmMnO3 perovskites sheets for efficient catalytic oxidation of toluene. Materials Letters, 2018, 212, 107-110.	2.6	26
58	Synthesis and characterization of nano-sized Mnâ€“TiO2 catalysts and their application to removal of gaseous elemental mercury. Research on Chemical Intermediates, 2012, 38, 2511-2522.	2.7	25
59	Cu+ based active sites of different oxides supported Pd-Cu catalysts and electrolytic in-situ H2 evolution for high-efficiency nitrate reduction reaction. Journal of Catalysis, 2020, 392, 231-243.	6.2	25
60	Discovery of juglone and its derivatives as potent SARS-CoV-2 main proteinase inhibitors. European Journal of Medicinal Chemistry, 2021, 225, 113789.	5.5	25
61	A highâ€efficient rotating disk photoelectrocatalytic (PEC) reactor with macro light harvesting pyramidâ€surface electrode. AIChE Journal, 2012, 58, 2448-2455.	3.6	24
62	Desulfurization of diesel fuel with nickel boride in situ generated in an ionic liquid. Green Chemistry, 2014, 16, 3881.	9.0	24
63	Recovery of cathode materials from spent lithium-ion batteries and their application in preparing multi-metal oxides for the removal of oxygenated VOCs: Effect of synthetic methods. Environmental Research, 2021, 193, 110563.	7.5	24
64	Facile electrochemical polymerization of polypyrrole film applied as cathode material in dual rotating disk photo fuel cell. Journal of Power Sources, 2016, 324, 368-377.	7.8	22
65	Study of the photocurrent in a photocatalytic fuel cell for wastewater treatment and the effects of TiO2 surface morphology to the apportionment of the photocurrent. Electrochimica Acta, 2016, 192, 319-327.	5.2	22
66	Emission of sulfur dioxide from polyurethane foam and respiratory health effects. Environmental Pollution, 2018, 242, 90-97.	7.5	22
67	Self-molten-polymerization synthesis of highly defected Mn/Sm binary oxides with mesoporous structures for efficient removal of toluene and chlorobenzene. Inorganic Chemistry Frontiers, 2019, 6, 1158-1169.	6.0	21
68	Three dimensional ordered macroporous zinc ferrite composited silica sorbents with promotional desulfurization and regeneration activity at mid-high temperature. Applied Surface Science, 2019, 470, 177-186.	6.1	21
69	Arsenic(V) removal behavior of schwertmannite synthesized by KMnO4 rapid oxidation with high adsorption capacity and Fe utilization. Chemosphere, 2021, 264, 128398.	8.2	21
70	Simultaneous wet absorption of SO2 and NOX with mixed Na2SO3 and (NH4)2SO3: Effects of mass concentration ratio and pH. Chemical Engineering Journal, 2021, 421, 129945.	12.7	20
71	Ultrasound electrochemical determination of chemical oxygen demand using boron-doped diamond electrode. Electrochemistry Communications, 2012, 18, 51-54.	4.7	19
72	Enhanced photocatalyticâ€electrolytic degradation of Reactive Brilliant Red X-3B in the presence of water jet cavitation. Ultrasonics Sonochemistry, 2015, 23, 93-99.	8.2	19

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73	Facile synthesis of polypyrrole functionalized nickel foam with catalytic activity comparable to Pt for the poly-generation of hydrogen and electricity. Journal of Power Sources, 2016, 301, 54-61.	7.8	19
74	In Plasma Catalytic Oxidation of Toluene Using Monolith CuO Foam as a Catalyst in a Wedged High Voltage Electrode Dielectric Barrier Discharge Reactor: Influence of Reaction Parameters and Byproduct Control. International Journal of Environmental Research and Public Health, 2019, 16, 711.	2.6	19
75	The ignored emission of volatile organic compounds from iron ore sinter process. Journal of Environmental Sciences, 2019, 77, 282-290.	6.1	19
76	Enhancement of toluene removal over Î±@Î´-MnO2 composites prepared via one-pot by modifying the molar ratio of KMnO4 to MnSO4Â·H2O. Applied Surface Science, 2021, 568, 150972.	6.1	19
77	Innovative Desulfurization Process of Coal Water Slurry under Atmospheric Condition via Sodium Metaborate Electroreduction in the Isolated Slot. Energy & Fuels, 2011, 25, 5007-5014.	5.1	17
78	Effect of inorganic anions on Rhodamine B removal under visible light irradiation using Bi2O3/Ti rotating disk reactor. Chemical Engineering Journal, 2012, 211-212, 208-215.	12.7	17
79	Rapid desulfurization of CWS via ultrasonic enhanced metal boron hydrides reduction under ambient conditions. RSC Advances, 2012, 2, 4189.	3.6	17
80	Temperature sensitivity of organic compound destruction in SCWO process. Journal of Environmental Sciences, 2014, 26, 512-518.	6.1	17
81	Insight into a Sustainable Application of Spent Lithium-Ion Cobaltate Batteries: Preparation of a Cobalt-Based Oxide Catalyst and Its Catalytic Performance in Toluene Oxidation. Industrial & Engineering Chemistry Research, 2020, 59, 194-204.	3.7	17
82	Effect of coordinated water of hexahydrate on nickel platings from cholineâ€“urea ionic liquid. Journal of Materials Science, 2018, 53, 10758-10771.	3.7	15
83	Nanostructured polypyrrole cathode based dual rotating disk photo fuel cell for textile wastewater purification and electricity generation. Electrochimica Acta, 2019, 303, 329-340.	5.2	15
84	Ultrasonic Decomposition of Ammonia-Nitrogen and Organic Compounds in Coke Plant Wastewater. Journal of the Chinese Chemical Society, 2005, 52, 59-65.	1.4	14
85	Suitability of a Novel Circulating Cooling SPME for Analysis of Organophosphorous Pesticides in Tomatoes. Chromatographia, 2008, 67, 309-313.	1.3	14
86	An improved Wellman-Lord process for simultaneously recovering SO2 and removing NOX from non-ferrous metal smelting flue gas. Chemical Engineering Journal, 2020, 399, 125658.	12.7	14
87	Enhanced catalytic activity of oxygenated VOC deep oxidation on highly active in-situ generated GdMn2O5/GdMnO3 catalysts. Journal of Colloid and Interface Science, 2020, 578, 229-241.	9.4	14
88	Resource utilization of spent ternary lithium-ions batteries: Synthesis of highly active manganese-based perovskite catalyst for toluene oxidation. Journal of the Taiwan Institute of Chemical Engineers, 2019, 102, 268-275.	5.3	13
89	Indirect hydrodesulfurization of gasoline via sodium borohydride reduction with nickel catalysis under ambient conditions. RSC Advances, 2012, 2, 3123.	3.6	12
90	Comparative study of using different materials as bacterial carriers to treat hydrogen sulfide. Applied Microbiology and Biotechnology, 2008, 81, 579-588.	3.6	11

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91	Treatment of mature landfill leachate by a continuous modular internal micro-electrolysis Fenton reactor. Research on Chemical Intermediates, 2013, 39, 2763-2776.	2.7	11
92	A coal desulfurization process via sodium metaborate electroreduction with pulse voltage using a boron-doped diamond thin film electrode. RSC Advances, 2013, 3, 1476-1485.	3.6	11
93	The Activation of Procarcinogens by CYP1A1/1B1 and Related Chemo-Preventive Agents: A Review. Current Cancer Drug Targets, 2021, 21, 21-54.	1.6	11
94	Condition optimization of amperometric determination of chemical oxygen demand using boron-doped diamond sensor. Research on Chemical Intermediates, 2012, 38, 2285-2294.	2.7	10
95	High performance nanoporous silicon photoelectrodes co-catalyzed with an earth abundant [Mo₃S₁₃]^{2â^'} nanocluster via drop coating. RSC Advances, 2016, 6, 15610-15614.	3.6	10
96	Highly dispersed Pd-Cu bimetallic nanocatalyst based on Î³-Al2O3 combined with electrocatalytic in-situ hydrogen production for nitrate hydroreduction. Chemical Engineering Journal, 2022, 434, 134748.	12.7	9
97	Corrosion protection of iron in water by activated carbon fiber (ACF). Carbon, 2006, 44, 19-26.	10.3	8
98	Leaf-like hybrid of bismuth subcarbonate nanotubes/graphene sheet with highly efficient photocatalytic activities. Journal of Colloid and Interface Science, 2017, 491, 273-278.	9.4	8
99	Application of Novel Activated Carbon Fiber Solidâ€Phase Microextraction to Analysis of Chlorohydrocarbons in Water. Analytical Letters, 2004, 37, 1411-1425.	1.8	7
100	Analysis of Organochlorine Pesticides in Water by Novel Activated Carbon Fiberâ€“Solid Phase Microextraction Coupled with Gas Chromatographyâ€“Mass Spectrometry. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2004, 39, 235-248.	1.5	7
101	A Highly Efficient Dual Rotating Disks Photocatalytic Fuel Cell with Wedged Surface TiO2 Nanopore Anode and Hemoglobin Film Cathode. Catalysts, 2016, 6, 114.	3.5	7
102	Continuous Adsorption of Copper Ions by Chitosan-Based Fiber in Adsorption Bed. Journal of Environmental Engineering, ASCE, 2019, 145, .	1.4	7
103	Absorption and recovery of SO2 in flue gas by wet absorption combined with bipolar membrane electrodialysis. Chemical Engineering Journal, 2022, 433, 134595.	12.7	7
104	A Polyimide-Based Photocatalyst for Continuous Hydrogen Peroxide Production Using Air and Water under Solar Light. CCS Chemistry, 2022, 4, 3482-3490.	7.8	7
105	Degrading organic pollutants and generating electricity in a dual-chamber rotating-disk photocatalytic fuel cell (RPFC) with a TiO2 nanotube array anode. Research on Chemical Intermediates, 2015, 41, 5365-5377.	2.7	6
106	Green Recycle of Copper Ions in Saccharin Sodium Wastewater by Direct Electrodeposition Using Rotating Thin Copper Disc Electrode. ACS Sustainable Chemistry and Engineering, 2019, 7, 17888-17895.	6.7	6
107	ADJUSTED ACTIVE CARBON FIBERS FOR SOLID PHASE MICROEXTRACTION. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2002, 37, 489-498.	1.7	5
108	Catalytic performance improvement of volatile organic compounds oxidation over MnO and GdMnO3 composite oxides from spent lithium-ion batteries: Effect of acid treatment. Chinese Journal of Chemical Engineering, 2021, 34, 278-288.	3.5	5

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109	Boosting the VOCs purification over high-performance Î±-MnO2 separated from spent lithium-ion battery: Synergistic effect of metal doping and acid treatment. Separation and Purification Technology, 2022, 295, 121316.	7.9	5
110	Indicating landfill stabilization state by using leachate property from Laogang Refuse Landfill. Frontiers of Environmental Science and Engineering, 2014, 8, 405-410.	6.0	4
111	A regioselective synthesis of 7-methyl juglone and its derivatives. Natural Product Research, 2022, 36, 18-25.	1.8	4
112	Natural Products Targeting Cancer Stem Cells: A Revisit. Current Medicinal Chemistry, 2021, 28, 6773-6804.	2.4	4
113	A highly sensitive electrochemical biosensor for Hg²⁺ based on entropy-driven DNA walker-based amplification. Analytical Methods, 2022, 14, 2504-2510.	2.7	4
114	Study and actual application of the electrochemical reactor in flow-through mode based on channel confinement. Chemosphere, 2022, 307, 135541.	8.2	4
115	Effect of denitrifying bacteria on the electrochemical reaction of activated carbon fiber in electrochemical biofilm system. Frontiers of Environmental Science and Engineering in China, 2007, 1, 305-310.	0.8	3
116	Effective denitrification process by a low voltage in a multi-cathode bio-electrode film reactor. RSC Advances, 2015, 5, 13061-13067.	3.6	3
117	Green utilization of the concentrated brine from two-stage membranes in coal chemical industry using selectrodialysis with bipolar membrane. Separation and Purification Technology, 2021, 256, 117816.	7.9	2
118	Insight into the Enhanced Removal of Water from Coal Slime via Solar Drying Technology: Dewatering Performance, Solar Thermal Efficiency, and Economic Analysis. ACS Omega, 2022, 7, 6710-6720.	3.5	2
119	Effects of electrolysis on Macrocystas aeruginosa in water. Progress in Natural Science: Materials International, 2005, 15, 60-66.	4.4	1
120	Anticancer natural products with collateral sensitivity: a review. Mini-Reviews in Medicinal Chemistry, 2021, 21, 1465-1486.	2.4	1
121	Degradation of dye wastewater containing reactive brilliant blue X-BR using a rotating electrochemical disc process. Progress in Natural Science: Materials International, 2005, 15, 149-153.	4.4	0
122	Degradation of Dye Wastewater using a Rotating TiO2/Ti Disc Photoanode. , 2008, , .		0
123	Notice of Retraction: Degradation of Reactive Brilliant Red X-3B Using a Circulating-Flowing Aqueous Film Photoelectrocatalytic Reactor. , 2011, , .		0