

# Xueming Chen

## List of Publications by Year in descending order

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45  
papers

3,259  
citations

201674

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical removal of fluoride ions from industrial wastewater. <i>Chemical Engineering Science</i> , 2003, 58, 987-993.	3.8	369
2	Electrically Regenerated Ion Exchange for Removal and Recovery of Cr(VI) from Wastewater. <i>Environmental Science &amp; Technology</i> , 2007, 41, 1439-1443.	10.0	280
3	Electrocoagulation and Electroflotation of Restaurant Wastewater. <i>Journal of Environmental Engineering, ASCE</i> , 2000, 126, 858-863.	1.4	209
4	Stable Ti/IrO <sub>x</sub> -Sb <sub>2</sub> O <sub>5</sub> -SnO <sub>2</sub> Anode for O <sub>2</sub> Evolution with Low Ir Content. <i>Journal of Physical Chemistry B</i> , 2001, 105, 4623-4628.	2.6	185
5	Novel Electrode System for Electroflotation of Wastewater. <i>Environmental Science &amp; Technology</i> , 2002, 36, 778-783.	10.0	171
6	Investigation on the electrolysis voltage of electrocoagulation. <i>Chemical Engineering Science</i> , 2002, 57, 2449-2455.	3.8	171
7	Anodic oxidation of dyes at novel Ti/B-diamond electrodes. <i>Chemical Engineering Science</i> , 2003, 58, 995-1001.	3.8	160
8	High-Performance Ti/BDD Electrodes for Pollutant Oxidation. <i>Environmental Science &amp; Technology</i> , 2003, 37, 5021-5026.	10.0	156
9	Comparison of Ti/BDD and Ti/SnO <sub>2</sub> -Sb <sub>2</sub> O <sub>5</sub> electrodes for pollutant oxidation. <i>Journal of Applied Electrochemistry</i> , 2005, 35, 185-191.	2.9	152
10	Electrochemical Behavior of Novel Ti/IrO <sub>x</sub> -Sb <sub>2</sub> O <sub>5</sub> -SnO <sub>2</sub> Anodes. <i>Journal of Physical Chemistry B</i> , 2002, 106, 4364-4369.	2.6	148
11	Stable Ti/RuO <sub>2</sub> -Sb <sub>2</sub> O <sub>5</sub> -SnO <sub>2</sub> electrodes for O <sub>2</sub> evolution. <i>Electrochimica Acta</i> , 2005, 50, 4155-4159.	5.2	114
12	Combined electrocoagulation and electroflotation for removal of fluoride from drinking water. <i>Journal of Hazardous Materials</i> , 2008, 159, 452-457.	12.4	114
13	Anodic oxidation of Orange II on Ti/BDD electrode: Variable effects. <i>Separation and Purification Technology</i> , 2006, 48, 45-49.	7.9	105
14	Ti/RuO <sub>2</sub> -Sb <sub>2</sub> O <sub>5</sub> -SnO <sub>2</sub> electrodes for chlorine evolution from seawater. <i>Chemical Engineering Journal</i> , 2011, 172, 47-51.	12.7	94
15	Ti/SnO <sub>2</sub> -Sb <sub>2</sub> O <sub>5</sub> -RuO <sub>2</sub> /PbO <sub>2</sub> electrodes for pollutants degradation. <i>Chemical Engineering Journal</i> , 2011, 174, 304-309.	12.7	89
16	Continuous electrodeionization for removal and recovery of Cr(VI) from wastewater. <i>Separation and Purification Technology</i> , 2009, 67, 123-126.	7.9	57
17	Polarity reversal electrochemical process for water softening. <i>Separation and Purification Technology</i> , 2019, 210, 943-949.	7.9	42
18	Electrochemical water softening using air-scoured washing for scale detachment. <i>Separation and Purification Technology</i> , 2018, 191, 216-224.	7.9	38

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19	Antimony and cerium co-doped tin oxide electrodes for pollutant degradation. <i>Chemical Engineering Journal</i> , 2009, 147, 412-415.	12.7	35
20	Continuous Multistage Electrochemical Precipitation Reactor for Water Softening. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 461-468.	3.7	34
21	Chemical-free ion exchange and its application for desalination. <i>Desalination</i> , 2015, 365, 144-150.	8.2	33
22	Variable effects on the performance of continuous electrodeionization for the removal of Cr(VI) from wastewater. <i>Separation and Purification Technology</i> , 2009, 68, 357-362.	7.9	32
23	Membrane-free electrodeionization for high purity water production. <i>Desalination</i> , 2013, 329, 86-92.	8.2	32
24	Continuous multi-cell electrochemical reactor for pollutant oxidation. <i>Chemical Engineering Science</i> , 2015, 122, 630-636.	3.8	32
25	Investigation of Ti <sup>4+</sup> IrO <sub>2</sub> -Sb <sub>2</sub> O <sub>5</sub> -SnO <sub>2</sub> Electrodes for O <sub>2</sub> Evolution. <i>Journal of the Electrochemical Society</i> , 2005, 152, J59.	2.9	31
26	Current Pulsated Electrochemical Precipitation for Water Softening. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 6585-6593.	3.7	31
27	Desalination of water with high conductivity using membrane-free electrodeionization. <i>Separation and Purification Technology</i> , 2014, 128, 39-44.	7.9	29
28	Active Ti/SnO <sub>2</sub> anodes for pollutants oxidation prepared using chemical vapor deposition. <i>Surface and Coatings Technology</i> , 2008, 202, 3850-3855.	4.8	27
29	Continuous treatment of biologically treated textile effluent using a multi-cell electrochemical reactor. <i>Chemical Engineering Journal</i> , 2016, 286, 571-577.	12.7	27
30	Membrane-based electrochemical precipitation for water softening. <i>Journal of Membrane Science</i> , 2020, 597, 117639.	8.2	26
31	Membrane-free electrodeionization without electrode polarity reversal for high purity water production. <i>Desalination</i> , 2014, 345, 50-55.	8.2	25
32	Membrane-free electrodeionization using phosphonic acid resin for nickel containing wastewater purification. <i>Separation and Purification Technology</i> , 2019, 223, 88-95.	7.9	25
33	Membrane-free electrodeionization using strong-type resins for high purity water production. <i>Separation and Purification Technology</i> , 2015, 144, 90-96.	7.9	24
34	Membrane-free electrodeionization for purification of wastewater containing low concentration of nickel ions. <i>Chemical Engineering Journal</i> , 2015, 280, 711-719.	12.7	23
35	Production of high purity water using membrane-free electrodeionization with improved resin layer structure. <i>Separation and Purification Technology</i> , 2016, 164, 89-96.	7.9	23
36	Ti/RuO <sub>2</sub> -IrO <sub>2</sub> -SnO <sub>2</sub> -Sb <sub>2</sub> O <sub>5</sub> Anodes for Cl <sub>2</sub> Evolution from Seawater. <i>Electrochemistry</i> , 2012, 80, 507-511.	1.4	21

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37	Pseudocapacitive Ti/RuO <sub>2</sub> -IrO <sub>2</sub> -RhOx electrodes with high bipolar stability for phenol degradation. Separation and Purification Technology, 2021, 263, 118395.	7.9	21
38	Proper Hot Filament CVD Conditions for Fabrication of Ti-Boron Doped Diamond Electrodes. Journal of the Electrochemical Society, 2004, 151, B214.	2.9	18
39	High-performance Ti/IrO <sub>2</sub> -RhOx-TiO <sub>2</sub> /±-PbO <sub>2</sub> /± <sup>2</sup> -PbO <sub>2</sub> electrodes for scale inhibitors degradation. Chemical Engineering Journal, 2022, 435, 135167.	12.7	15
40	High-Performance Ti/IrO <sub>2</sub> -RhOx-Ta <sub>2</sub> O <sub>5</sub> Electrodes for Polarity Reversal Applications. Industrial & Engineering Chemistry Research, 2021, 60, 4310-4320.	3.7	13
41	Ti/SnO <sub>2</sub> -Sb Electrodes for Pollutant Degradation Prepared Using Ultrasonic Spray Pyrolysis. Electrochemical and Solid-State Letters, 2008, 11, J37.	2.2	11
42	Synthesis and characterization of an amphoteric resin for use in membrane-free electrodeionization. Separation and Purification Technology, 2021, 272, 118857.	7.9	5
43	Amphoteric blend ion exchange resin with medium-strength alkalinity for high-purity water production in membrane-free electrodeionization. Desalination, 2022, 529, 115663.	8.2	4
44	Periodic bipolar operation of Ti/RuO <sub>2</sub> -IrO <sub>2</sub> -RhOx electrodes for in-situ polymeric product desorption in recalcitrant contaminant degradation: From pseudocapacitive stabilization to model simulation. Chemical Engineering Journal, 2022, 448, 137497.	12.7	3
45	A novel combined electrochemical-biological method for non-biodegradable pollutants degradation. Desalination and Water Treatment, 2014, 52, 6389-6395.	1.0	2