

# Ruidong Xu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/986950/publications.pdf>

Version: 2024-02-01

27  
papers

382  
citations

840776

11  
h-index

839539

18  
g-index

27  
all docs

27  
docs citations

27  
times ranked

155  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile synthesis MnCo <sub>2</sub> O <sub>4.5</sub> @C nanospheres modifying PbO <sub>2</sub> energy-saving electrode for zinc electrowinning. Journal of Hazardous Materials, 2022, 428, 128212.	12.4	15
2	Two-step facile synthesis of Co <sub>3</sub> O <sub>4</sub> @C reinforced PbO <sub>2</sub> coated electrode to promote efficient oxygen evolution reaction for zinc electrowinning. RSC Advances, 2022, 12, 10634-10645.	3.6	8
3	Facile one-step synthesis of a Co <sub>3</sub> O <sub>4</sub> and CNT-doped 3D-Ti/PbO <sub>2</sub> electrode with a high surface for zinc electrowinning. Hydrometallurgy, 2021, 199, 105529.	4.3	7
4	Coupling Pd nanoparticles on fine Ti <sub>4</sub> O <sub>7</sub> with oxygen vacancies as a high-activity, long-life ORR electrocatalyst. Ionics, 2021, 27, 2571-2582.	2.4	5
5	Facile Preparation of a Porous Nanosheet P <sub>X</sub> -Doped Fe Bi-Functional Catalyst with Excellent OER and HER Electrocatalytic Activity. ChemistrySelect, 2021, 6, 4979-4990.	1.5	4
6	Controllable preparation of Ti/TiO <sub>2</sub> -NTs/PbO <sub>2</sub> @CNTs-MnO <sub>2</sub> layered composite materials with excellent electrocatalytic activity for the OER in acidic media. Ceramics International, 2021, 47, 25350-25362.	4.8	21
7	Facile synthesis MnCo <sub>2</sub> O <sub>4</sub> modifying PbO <sub>2</sub> composite electrode with enhanced OER electrocatalytic activity for zinc electrowinning. Separation and Purification Technology, 2021, 272, 118916.	7.9	21
8	The Ni-Mo Catalyst @Copper Foams with Excellent Stability and 1.5V Drive Electrolytic Water. Advanced Materials Interfaces, 2021, 8, 2100500.	3.7	8
9	Ag doping to boost the electrochemical performance and corrosion resistance of Ti/Sn-Sb-RuOx/±-PbO <sub>2</sub> /±-PbO <sub>2</sub> electrode in zinc electrowinning. Journal of Alloys and Compounds, 2020, 815, 152551.	5.5	37
10	Electrochemical characteristics of Co <sub>3</sub> O <sub>4</sub> -doped ±-PbO <sub>2</sub> composite anodes used in long-period zinc electrowinning. Hydrometallurgy, 2020, 194, 105357.	4.3	25
11	Study of simultaneously electrodepositing ±-PbO <sub>2</sub> coating materials in methanesulfonic acid and its application in novel flow battery. Renewable Energy, 2020, 159, 885-892.	8.9	9
12	±(±)-PbO <sub>2</sub> doped with Co <sub>3</sub> O <sub>4</sub> and CNT porous composite materials with enhanced electrocatalytic activity for zinc electrowinning. RSC Advances, 2020, 10, 1351-1360.	3.6	11
13	Fabrication and nucleation study of ±-PbO <sub>2</sub> @Co <sub>3</sub> O <sub>4</sub> OER energy-saving electrode. SN Applied Sciences, 2019, 1, 1.	2.9	4
14	Electrochemical fabrication of FeS <sub>x</sub> films with high catalytic activity for oxygen evolution. RSC Advances, 2019, 9, 31979-31987.	3.6	7
15	Corrosion resistance mechanism of a novel porous Ti/Sn-Sb-RuOx/±-PbO <sub>2</sub> anode for zinc electrowinning. Corrosion Science, 2018, 144, 136-144.	6.6	54
16	Study on the properties of Pb@Co <sub>3</sub> O <sub>4</sub> @PbO <sub>2</sub> composite inert anodes prepared by vacuum hot pressing technique. RSC Advances, 2017, 7, 49166-49176.	3.6	25
17	Study of methanesulfonic acid effect on electrosynthesis of lead dioxide to provide more environmentally electrolyte selection. International Journal of Hydrogen Energy, 2017, 42, 19597-19603.	7.1	2
18	Properties of Al/conductive coating/±-PbO <sub>2</sub> -CeO <sub>2</sub> -TiO <sub>2</sub> /±-PbO <sub>2</sub> -WC-ZrO <sub>2</sub> composite anode for zinc electrowinning. Journal Wuhan University of Technology, Materials Science Edition, 2017, 32, 538-546.	1.0	9

#	ARTICLE	IF	CITATIONS
19	Temperature effects on the kinetics of a PbO <sub>2</sub> electroynthesis process in an alkaline bath. RSC Advances, 2016, 6, 88350-88357.	3.6	11
20	Research on Low-Scale Bifurcation of PFC Operating with a Cascade Buck Converter. , 2016, , .		1
21	Preparation and electrochemical properties of Pb-0.3wt%Ag/Pb-WC composite inert anodes. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 811-817.	1.0	6
22	Electrosynthesis and performance of WC and Co <sub>3</sub> O <sub>4</sub> co-doped $\alpha$ -PbO <sub>2</sub> electrodes. RSC Advances, 2016, 6, 3362-3371.	3.6	14
23	Study on the Electrosynthesis of Pb-0.3%Ag/ $\alpha$ -PbO <sub>2</sub> Composite Inert Anode Materials. Electrochemistry, 2015, 83, 974-978.	1.4	13
24	Effects of manganese nitrate concentration on the performance of an aluminum substrate $\alpha$ -PbO <sub>2</sub> -MnO <sub>2</sub> -WC-ZrO <sub>2</sub> composite electrode material. International Journal of Hydrogen Energy, 2014, 39, 3087-3099.	7.1	49
25	Preparation and electrochemical properties of Al/Pb-PANI-WC composite inert anodes. Journal of the Chinese Advanced Materials Society, 2013, 1, 40-47.	0.7	4
26	Study on Electrochemical Properties of Al/Pb-PANI-WC Inert Anodes. Advanced Science Letters, 2011, 4, 1225-1229.	0.2	6
27	Probe into deposition mechanism of double pulse electrodepositing Ni-W-P matrix composite coatings containing CeO <sub>2</sub> and SiO <sub>2</sub> nano-particles. Journal of Rare Earths, 2010, 28, 437-441.	4.8	6