

Ruidong Xu

List of Publications by Year in descending order

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27
papers

382
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840776

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docs citations

27
times ranked

155
citing authors

#	ARTICLE	IF	CITATIONS
1	Corrosion resistance mechanism of a novel porous Ti/Sn-Sb-RuOx/ β -PbO ₂ anode for zinc electrowinning. <i>Corrosion Science</i> , 2018, 144, 136-144.	6.6	54
2	Effects of manganese nitrate concentration on the performance of an aluminum substrate β -PbO ₂ @MnO ₂ @WC@ZrO ₂ composite electrode material. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 3087-3099.	7.1	49
3	Ag doping to boost the electrochemical performance and corrosion resistance of Ti/Sn@Sb-RuOx/ β -PbO ₂ / β -PbO ₂ electrode in zinc electrowinning. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152551.	5.5	37
4	Study on the properties of Pb@Co ₃ O ₄ @PbO ₂ composite inert anodes prepared by vacuum hot pressing technique. <i>RSC Advances</i> , 2017, 7, 49166-49176.	3.6	25
5	Electrochemical characteristics of Co ₃ O ₄ -doped β -PbO ₂ composite anodes used in long-period zinc electrowinning. <i>Hydrometallurgy</i> , 2020, 194, 105357.	4.3	25
6	Controllable preparation of Ti/TiO ₂ -NTs/PbO ₂ @CNTs@MnO ₂ layered composite materials with excellent electrocatalytic activity for the OER in acidic media. <i>Ceramics International</i> , 2021, 47, 25350-25362.	4.8	21
7	Facile synthesis MnCo ₂ O ₄ modifying PbO ₂ composite electrode with enhanced OER electrocatalytic activity for zinc electrowinning. <i>Separation and Purification Technology</i> , 2021, 272, 118916.	7.9	21
8	Facile synthesis MnCo ₂ O _{4.5} @C nanospheres modifying PbO ₂ energy-saving electrode for zinc electrowinning. <i>Journal of Hazardous Materials</i> , 2022, 428, 128212.	12.4	15
9	Electrosynthesis and performance of WC and Co ₃ O ₄ co-doped β -PbO ₂ electrodes. <i>RSC Advances</i> , 2016, 6, 3362-3371.	3.6	14
10	Study on the Electrosynthesis of Pb-0.3%Ag/α-PbO ₂ ; Composite Inert Anode Materials. <i>Electrochemistry</i> , 2015, 83, 974-978.	1.4	13
11	Temperature effects on the kinetics of a PbO ₂ electrosynthesis process in an alkaline bath. <i>RSC Advances</i> , 2016, 6, 88350-88357.	3.6	11
12	β -PbO ₂ doped with Co ₃ O ₄ and CNT porous composite materials with enhanced electrocatalytic activity for zinc electrowinning. <i>RSC Advances</i> , 2020, 10, 1351-1360.	3.6	11
13	Properties of Al/conductive coating/ β -PbO ₂ -CeO ₂ -TiO ₂ / β -PbO ₂ -WC-ZrO ₂ composite anode for zinc electrowinning. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017, 32, 538-546.	1.0	9
14	Study of simultaneously electrodepositing β -PbO ₂ coating materials in methanesulfonic acid and its application in novel flow battery. <i>Renewable Energy</i> , 2020, 159, 885-892.	8.9	9
15	The Ni@MoS ₂ Catalyst @Copper Foams with Excellent Stability and 1.5V Drive Electrolytic Water. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100500.	3.7	8
16	Two-step facile synthesis of Co ₃ O ₄ @C reinforced PbO ₂ coated electrode to promote efficient oxygen evolution reaction for zinc electrowinning. <i>RSC Advances</i> , 2022, 12, 10634-10645.	3.6	8
17	Electrochemical fabrication of FeS _x films with high catalytic activity for oxygen evolution. <i>RSC Advances</i> , 2019, 9, 31979-31987.	3.6	7
18	Facile one-step synthesis of a Co ₃ O ₄ - and CNT-doped 3D-Ti/PbO ₂ electrode with a high surface for zinc electrowinning. <i>Hydrometallurgy</i> , 2021, 199, 105529.	4.3	7

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19	Probe into deposition mechanism of double pulse electrodepositing Ni-W-P matrix composite coatings containing CeO ₂ and SiO ₂ nano-particles. Journal of Rare Earths, 2010, 28, 437-441.	4.8	6
20	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
21	Study on Electrochemical Properties of Al/Pb-PANI-WC Inert Anodes. Advanced Science Letters, 2011, 4, 1225-1229.	0.2	6
22	Coupling Pd nanoparticles on fine Ti ₄ O ₇ with oxygen vacancies as a high-activity, long-life ORR electrocatalyst. Ionics, 2021, 27, 2571-2582.	2.4	5
23	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
24	Fabrication and nucleation study of $\text{PbO}_2/\text{Co}_3\text{O}_4$ OER energy-saving electrode. SN Applied Sciences, 2019, 1, 1.	2.9	4
25	Facile Preparation of a Porous Nanosheet P_X -Doped Fe Bi -Functional Catalyst with Excellent OER and HER Electrocatalytic Activity. ChemistrySelect, 2021, 6, 4979-4990.	1.5	4
26	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
27	Research on Low-Scale Bifurcation of PFC Operating with a Cascade Buck Converter. , 2016, , .		1