

Chang-Wei Xu

List of Publications by Year in descending order

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32
papers

2,695
citations

331538

21
h-index

414303

32
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all docs

32
docs citations

32
times ranked

2963
citing authors

#	ARTICLE	IF	CITATIONS
1	Methanol and ethanol electrooxidation on Pt and Pd supported on carbon microspheres in alkaline media. <i>Electrochemistry Communications</i> , 2007, 9, 997-1001.	2.3	478
2	Alcohol oxidation on nanocrystalline oxide Pd/C promoted electrocatalysts. <i>Electrochemistry Communications</i> , 2006, 8, 184-188.	2.3	374
3	Ethanol electrooxidation on Pt/C and Pd/C catalysts promoted with oxide. <i>Journal of Power Sources</i> , 2007, 164, 527-531.	4.0	366
4	Oxide (CeO ₂ , NiO, Co ₃ O ₄ and Mn ₃ O ₄)-promoted Pd/C electrocatalysts for alcohol electrooxidation in alkaline media. <i>Electrochimica Acta</i> , 2008, 53, 2610-2618.	2.6	357
5	Novel Pt/CeO ₂ /C catalysts for electrooxidation of alcohols in alkaline media. <i>Chemical Communications</i> , 2004, , 2238.	2.2	173
6	Synergistic effect of CeO ₂ modified Pt/C catalysts on the alcohols oxidation. <i>Electrochimica Acta</i> , 2005, 51, 1031-1035.	2.6	159
7	A remarkable activity of glycerol electrooxidation on gold in alkaline medium. <i>Electrochimica Acta</i> , 2012, 59, 156-159.	2.6	91
8	Stability analysis of oxide (CeO ₂ , NiO, Co ₃ O ₄ and Mn ₃ O ₄) effect on Pd/C for methanol oxidation in alkaline medium. <i>Electrochimica Acta</i> , 2013, 90, 108-111.	2.6	89
9	Au-NiCo ₂ O ₄ supported on three-dimensional hierarchical porous graphene-like material for highly effective oxygen evolution reaction. <i>Scientific Reports</i> , 2016, 6, 23398.	1.6	62
10	Nafion membranes with ordered mesoporous structure and high water retention properties for fuel cell applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 5810.	6.7	48
11	Facile synthesis of Pd@Mn ₃ O ₄ /C as high-efficient electrocatalyst for oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18236-18240.	5.2	48
12	Three-dimensional ordered mesoporous Co ₃ O ₄ enhanced by Pd for oxygen evolution reaction. <i>Scientific Reports</i> , 2017, 7, 41542.	1.6	48
13	Manganese oxides supported on hydrogenated TiO ₂ nanowire array catalysts for the electrochemical oxygen evolution reaction in water electrolysis. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21308-21313.	5.2	44
14	Pd-doped Urchin-like MnO ₂ -carbon Sphere Three-dimensional (3D) Material for Oxygen Evolution Reaction. <i>Electrochimica Acta</i> , 2016, 196, 661-669.	2.6	37
15	Pt-Mn ₃ O ₄ /C as efficient electrocatalyst for oxygen evolution reaction in water electrolysis. <i>Electrochimica Acta</i> , 2014, 146, 119-124.	2.6	35
16	Manganese oxide with different morphology as efficient electrocatalyst for oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 7151-7157.	3.8	32
17	Pt/C and Pd/C catalysts promoted by Au for glycerol and CO electrooxidation in alkaline medium. <i>Journal of the Energy Institute</i> , 2017, 90, 725-733.	2.7	30
18	Large-area manganese oxide nanorod arrays as efficient electrocatalyst for oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 13350-13354.	3.8	28

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19	Au@Co ₃ O ₄ /C as an Efficient Electrocatalyst for the Oxygen Evolution Reaction. ChemPlusChem, 2014, 79, 1569-1572.	1.3	26
20	Pd supported on carbon containing nickel, nitrogen and sulfur for ethanol electrooxidation. Scientific Reports, 2017, 7, 15479.	1.6	26
21	NiCo ₂ O ₄ /C prepared by one-step intermittent microwave heating method for oxygen evolution reaction in splitter. Journal of Alloys and Compounds, 2014, 617, 115-119.	2.8	24
22	Boosting the electrocatalytic performance of Pt, Pd and Au embedded within mesoporous cobalt oxide for oxygen evolution reaction. International Journal of Hydrogen Energy, 2018, 43, 14252-14264.	3.8	19
23	Co _{0.85} Se on three-dimensional hierarchical porous graphene-like carbon for highly effective oxygen evolution reaction. International Journal of Hydrogen Energy, 2019, 44, 10182-10189.	3.8	19
24	CeO ₂ promoted Au/C catalyst for glycerol electro-oxidation in alkaline medium. Journal of the Energy Institute, 2016, 89, 325-329.	2.7	18
25	Oxide (Co ₃ O ₄ , NiO, Mn ₃ O ₄ , MgO) promoted Au/C catalyst for glycerol electrooxidation in alkaline medium. Materials Research Bulletin, 2015, 64, 301-305.	2.7	17
26	Pd deposited on MWCNTs modified carbon fiber paper as high-efficient electrocatalyst for ethanol electrooxidation. Electrochimica Acta, 2014, 147, 151-156.	2.6	16
27	NiO/C enhanced by noble metal (Pt, Pd, Au) as high-efficient electrocatalyst for oxygen evolution reaction in water oxidation to obtain high purity hydrogen. Ionics, 2017, 23, 2161-2166.	1.2	7
28	High activity of NiCo ₂ O ₄ promoted Pt on three-dimensional graphene-like carbon for glycerol electrooxidation in an alkaline medium. RSC Advances, 2020, 10, 24705-24711.	1.7	7
29	Pd@Mn ₃ O ₄ on 3D hierarchical porous graphene-like carbon for oxygen evolution reaction. Ionics, 2018, 24, 3095-3100.	1.2	6
30	Synthesis and properties of copolymer of 3-ethienylmethyl disulfide and benzyl disulfide for cathode material in lithium batteries. Journal of Applied Polymer Science, 2010, 116, 727-735.	1.3	4
31	Palladium nanoparticles anchored on Schiff base metal complex derived heteroatom-doped carbon materials for boosting ethanol electrooxidation. Electrochimica Acta, 2021, 389, 138767.	2.6	4
32	Direct Alcohol Fuel Cell. International Journal of Electrochemistry, 2011, 2011, 1-1.	2.4	3