

Jihui Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1201093/publications.pdf>

Version: 2024-02-01

30
papers

1,278
citations

516710

16
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

1823
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying Dense NiSe ₂ /CoSe ₂ Heterointerfaces Coupled with Surface High-Valence Bimetallic Sites for Synergistically Enhanced Oxygen Electrocatalysis. <i>Advanced Materials</i> , 2020, 32, e2000607.	21.0	251
2	A Review on the Pd-Based Three-Way Catalyst. <i>Catalysis Reviews - Science and Engineering</i> , 2015, 57, 79-144.	12.9	241
3	Controllable Synthesis of Ni _x Se (0.5 ≤ x ≤ 1) Nanocrystals for Efficient Rechargeable Zinc-Air Batteries and Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13675-13684.	8.0	116
4	Bimetallic Metal-Organic-Framework/Reduced Graphene Oxide Composites as Bifunctional Electrocatalysts for Rechargeable Zn-Air Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15662-15669.	8.0	107
5	In Situ Fabrication of Heterostructure on Nickel Foam with Tuned Composition for Enhancing Water-Splitting Performance. <i>Small</i> , 2018, 14, e1803666.	10.0	100
6	Synthesis and humidity controlling properties of halloysite/poly(sodium acrylate-acrylamide) composite. <i>Journal of Materials Chemistry</i> , 2012, 22, 11093.	6.7	46
7	Pt embedded Ni ₃ Se ₂ @NiOOH core-shell dendrite-like nanoarrays on nickel as bifunctional electrocatalysts for overall water splitting. <i>Science China Materials</i> , 2019, 62, 1096-1104.	6.3	43
8	Fabrication and corrosion resistance of phosphate/ZnO multilayer protective coating on magnesium alloy. <i>Surface and Coatings Technology</i> , 2018, 352, 74-83.	4.8	40
9	Fast evaluation of degradation degree of organic coatings by analyzing electrochemical impedance spectroscopy data. <i>Transactions of Tianjin University</i> , 2012, 18, 15-20.	6.4	34
10	Facile synthesis of nickel cobalt selenide hollow nanospheres as efficient bifunctional electrocatalyst for rechargeable Zn-air battery. <i>Science China Materials</i> , 2020, 63, 347-355.	6.3	32
11	Corrosion behavior of X65 steel in seawater containing sulfate reducing bacteria under aerobic conditions. <i>Bioelectrochemistry</i> , 2018, 122, 40-50.	4.6	31
12	Engineering Interface and Oxygen Vacancies of Ni _x Co _{1-x} Se ₂ to Boost Oxygen Catalysis for Flexible Zn-Air Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27964-27972.	8.0	31
13	Fabrication and properties of a superhydrophobic film on an electroless plated magnesium alloy. <i>RSC Advances</i> , 2017, 7, 28909-28917.	3.6	27
14	Ternary composites of Ni-polyaniline-graphene as counter electrodes for dye-sensitized solar cells. <i>RSC Advances</i> , 2018, 8, 10948-10953.	3.6	22
15	The Significance of Correlation Dimension Obtained from Electrochemical Noise. <i>Electrochemistry</i> , 2012, 80, 907-912.	1.4	19
16	Reduced graphene oxide incorporated NiWO ₄ for high-performance energy storage. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 11613-11622.	2.2	17
17	Degradation mechanism of lacquered tinplate in energy drink by in-situ EIS and EN. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013, 28, 367-372.	1.0	16
18	Mechanical Properties and Corrosion Resistance of SA508-4 Low Carbon Alloy Steel. <i>Electrochemistry</i> , 2013, 81, 262-268.	1.4	15

#	ARTICLE	IF	CITATIONS
19	Degradation process of coated tinplate by phase space reconstruction theory. Transactions of Tianjin University, 2013, 19, 92-97.	6.4	14
20	Pitting growth rate on Alloy 800 in chloride solutions containing thiosulphate: image analysis assessment. Corrosion Engineering Science and Technology, 2018, 53, 206-213.	1.4	14
21	Electrochemical noise monitoring of the atmospheric corrosion of steels: identifying corrosion form using wavelet analysis. Corrosion Engineering Science and Technology, 0, , 1-9.	1.4	11
22	Corrosion process detection of tinplate in deaerated functional beverage by EIS. Transactions of Tianjin University, 2013, 19, 235-240.	6.4	10
23	Preparation and corrosion resistance of Niâ€P bilayer on magnesium alloy. Materials and Corrosion - Werkstoffe Und Korrosion, 2017, 68, 1377-1388.	1.5	9
24	Atmospheric corrosion monitoring of field-exposed Q235B and T91 steels in Zhoushan offshore environment using electrochemical probes. Journal Wuhan University of Technology, Materials Science Edition, 2017, 32, 1433-1440.	1.0	8
25	Influence of Acid Treatment on the Loading and Release Behavior of Halloysite with 2-Mercaptobenzothiazole. Journal of Nanoscience and Nanotechnology, 2019, 19, 7178-7184.	0.9	7
26	Effect of annealing treatment on the mechanical properties and corrosion behaviors of O1570 aluminum alloy. Materials and Corrosion - Werkstoffe Und Korrosion, 2014, 65, 809-814.	1.5	4
27	Sensing the Instant Corrosivity of Haze Using Electrochemical Probes by Electrochemical Noise Technique. Electrochemistry, 2017, 85, 784-789.	1.4	4
28	Online Monitoring of the Atmospheric Corrosion of Aluminium Alloys Using Electrochemical Noise Technique. Russian Journal of Electrochemistry, 2018, 54, 623-628.	0.9	4
29	Effect of Process Parameters on Electrodeposited Nanocrystalline Chromium Coatings Investigated by an Orthogonal Experiment. Protection of Metals and Physical Chemistry of Surfaces, 2020, 56, 857-866.	1.1	4
30	Passivation degradation of Alloy 800 on nucleate boiling surface. Corrosion Engineering Science and Technology, 2017, 52, 391-396.	1.4	1