

学位授权点建设年度报告

(2023)

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2024 03 25

一、学位授权点基本情况

1950
1984
2000
2010
1987
1994
2001 1
2004
2009 2
2010
2018

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CO₂

4	76	21	26
85.5%	45	52.6%	65
5	6	76	
3958.78	1159.12	122	
SCI	248	37	

1

1	/ II	-	2023-09-14
2	-	-	2021-10-22
3	ZrTiAl	-	2021-10-12
4		-NSAF	2021-08-19
5		-	2019-10-01
6		-	2019-10-01

2

1	Optimization of pitting corrosion resistance of TC4-30Zr alloy by laser surface remelting	2023-09-23	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	SCI
2	Numerical simulation on diffusion reaction behavior of concrete under sulfate chloride coupled attack	2023-09-20	Construction and Building Materials	SCI
3	Phase engineering of inorganic halide Cs Pb Br perovskites for advanced energy conversion	2023-09-09	Journal of Materials Chemistry A	SCI
4	Microstructure and properties of high-entropy diboride composites prepared by pressureless sintering	2023-08-15	Journal of Alloys and Compounds	SCI
5	Novel ZnO/BiOI nanorod photoanode with interface p-n heterojunction and excellent photoelectric conversion efficiency for photocathodic protection of stainless steel	2023-07-23	Colloids and Surfaces A: Physicochemical and Engineering Aspects	SCI

6	High-Efficiency Photoelectric Regulation of Resistive Switching Memory in Perovskite Quantum Dots	2023-06-30	Acta Phys. -Chim. Sin.	SCI
7	Identification of railway subgrade defects based on ground penetrating radar	2023-06-21	Scientific Reports	SCI
8	Effect of Zr on microstructure and properties of TC4 alloy fabricated by laser additive manufacturing	2023-05-31	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY- JMR&T	SCI
9	Effect of SIS block copolymers on damping properties of natural rubber/ AO-80 and the performance enhancement mechanism: experimental study and molecular dynamics simulation	2023-05-23	Colloids and Surfaces A: Physicochemical and Engineering Aspects	SCI
10	Chloride transport resistance of alkali-activated concrete exposed to combined chloride, sulfate and carbonation environment	2023-01-13	Construction and Building Materials	SCI
11	Super-tough and self-healable all-cellulose-based electrolyte for fast degradable quasi-solid-state supercapacitor	2022-12-30	Carbohydrate polymers	SCI
12	Biocompatible carboxymethyl cellulose-based super-elastic hierarchical sponge via a novel templating and plasticizing method	2022-12-03	Carbohydrate polymer	SCI
13	A novel (CaO/CeO ₂)@CeO ₂ composite adsorbent based on microinjection titration-calcination strategy for CO ₂ adsorption			

	structure and its decomposition pathway	09-17	COMMUNICATIONS	
20	Hydrogen-Bonding-Assisted Toughening of Hierarchical Carboxymethyl Cellulose Hydrogels for Biomechanical Sensing	2021-08-03	carbohydrate polymers	SCI
21	Exploring abundantly synergic effects of K-Cu supported paper catalysts using TiO ₂ -ZrO ₂ mesoporous fibers as matrix towards soot efficient oxidation	2021-08-01	Chemical Engineering Journal	SCI

22 All-Carboxymethyl Cellu.52 0 7 icasa(Sp

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	novel Fe-based Li-rich cathode material prepared by molten salt method for lithium-ion batteries	06-30	Chemistry	
34	High-efficiency magnetic modulation in Ti/ZnO/Pt resistive random-access memory devices using amorphous zinc oxide film	2019-05-17	Applied Surface Science	SCI
35	Highly flexible, robust, stable and high efficiency perovskite solar cells enabled by van der Waals epitaxy on mica substrate	2019-03-19	Nano Energy	SCI
36	Facile strategies to utilize FeSO ₄ ·7H ₂ O waste slag for LiFePO ₄ /C cathode with high performances	2019-03-15	Journal of the Taiwan Institute of Chemical Engineers	SCI
37	Enhanced electrochemical sensitivity towards plasticizer determination based on ferrocene- end-cap dendrimer functionalized graphene oxide electrochemical sensor	2019-03-08	Sensors & Actuators: B. Chemical	SCI

3

1				1	1	2021-01-11
2				2	2	2019-04-08
3				3	2	2021-05-13
4				4	9	2022-03-26
5				4	3	2020-04-23
6				1	1	2021-10-21
7				1	1	2021-06-01
8				1	1	2021-04-01
9				1	1	2020-12-15

10				1	1	2019-12-30
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11

1

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2019-11-01

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2023

300

113



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304

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7 3

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SCI

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三、学位授权点建设存在的问题

四、下一年度建设计划

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