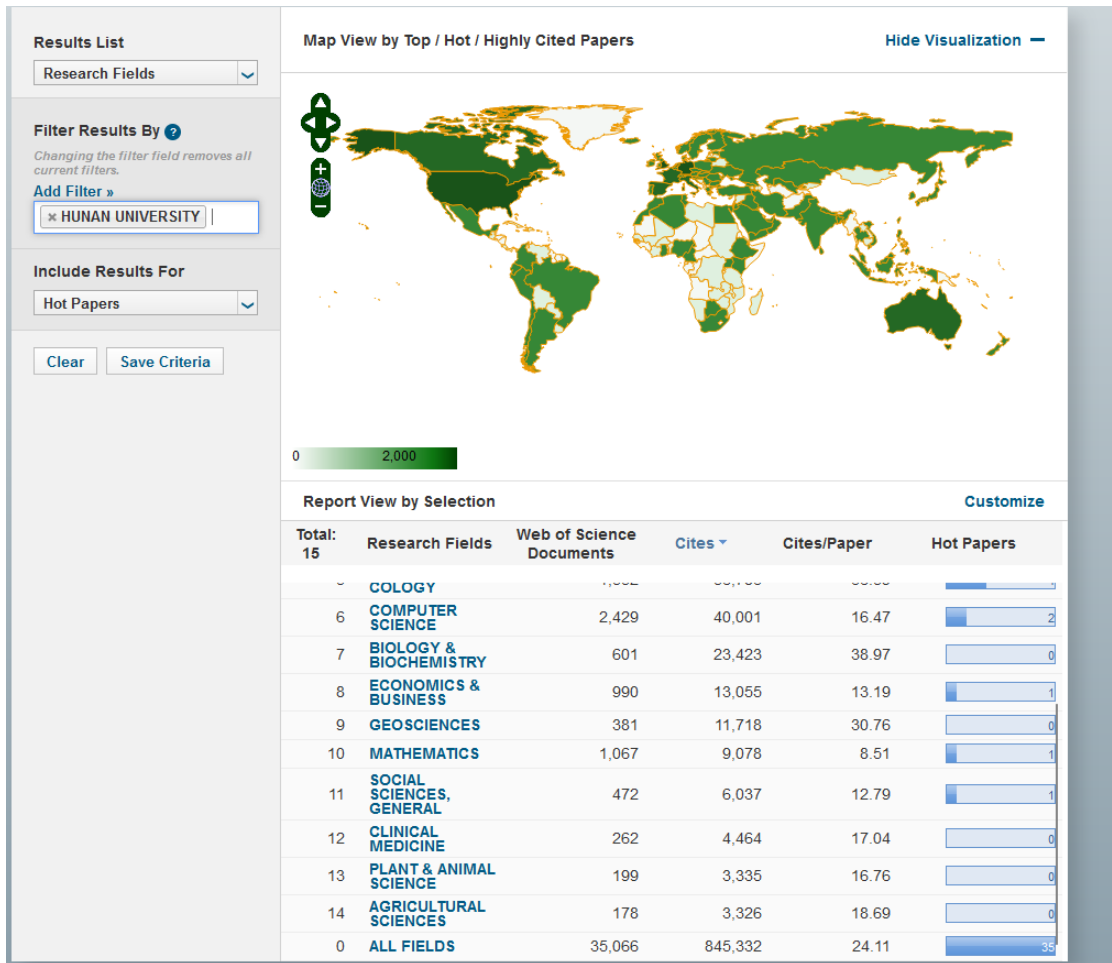


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DESIGN STRATEGIES FOR HIGH-ENERGY-DENSITY AQUEOUS ZINC BATTERIES

By: RUAN, PC; LIANG, SQ; LU, BG; et.al

Source: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 61 (17): - APR 19 2022

Research Fields: CHEMISTRY

Times Cited: 266

ESI Hot

Research Front

2

SURFACE-SUBSTITUTED PRUSSIAN BLUE ANALOGUE CATHODE FOR SUSTAINABLE POTASSIUM-ION BATTERIES

By: GE, JM; FAN, L; RAO, AM; et.al

Source: NATURE SUSTAINABILITY 5 (3): 225-234 MAR 2022

Research Fields: ENVIRONMENT/ECOLOGY

Times Cited: 237

ESI Hot

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3

CHARGE RELAYS VIA DUAL CARBON-ACTIONS ON NANOSTRUCTURED BiVO₄ FOR HIGH PERFORMANCE PHOTOELECTROCHEMICAL WATER SPLITTING

By: WANG, YX; CHEN, DM; ZHANG, JN; et.al

Source: ADVANCED FUNCTIONAL MATERIALS 32 (13): - MAR 2022

Research Fields: MATERIALS SCIENCE

Times Cited: 166

ESI Hot

Research Front

4

COMBINED ANODIC AND CATHODIC HYDROGEN PRODUCTION FROM ALDEHYDE OXIDATION AND HYDROGEN EVOLUTION REACTION

By: WANG, TH; TAO, L; ZHU, XR; et.al

Source: NATURE CATALYSIS 5 (1): 66-73 JAN 2022

Research Fields: CHEMISTRY

Times Cited: 152

ESI Hot

Research Front

5

OXYGEN VACANCY-BASED METAL OXIDES PHOTOANODES IN PHOTOELECTROCHEMICAL WATER SPLITTING

By: WANG, YY; ZHANG, JN; BALOGUN, MS; et.al

Source: MATERIALS TODAY SUSTAINABILITY 18: - JUN 2022

Research Fields: MATERIALS SCIENCE

Times Cited: 109

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SYNERGISTIC CHEMICAL AND ELECTROCHEMICAL STRATEGY FOR HIGH-PERFORMANCE ZN//MNO₂ BATTERIES

By: HAN, MM; YAO, JJ; HUANG, JW; et.al

Source: CHINESE CHEMICAL LETTERS 34 (2): - FEB 2023

Research Fields: CHEMISTRY

Times Cited: 95

ESI Hot

Research Front

7

PLATINUM MODULATES REDOX PROPERTIES AND 5-HYDROXYMETHYLFURFURAL ADSORPTION KINETICS OF Ni(OH)₂ FOR BIOMASS UPGRADING

By: ZHOU, B; LI, YY; ZOU, YQ; et.al

Source: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 60 (42): 22908-22914 OCT 11 2021

Research Fields: CHEMISTRY

Times Cited: 92

ESI Hot

Research Front

8

METAL-ORGANIC FRAMEWORKS FUNCTIONALIZED SEPARATORS FOR ROBUST AQUEOUS ZINC-ION BATTERIES

By: SONG, Y; RUAN, PC; MAO, CW; et.al

Source: NANO-MICRO LETTERS 14 (1): - DEC 2022

Research Fields: MATERIALS SCIENCE

Times Cited: 89

ESI Hot

Research Front

9

DECIPHERING THE ALTERNATING SYNERGY BETWEEN INTERLAYER PT SINGLE-ATOM AND NiFe LAYERED DOUBLE HYDROXIDE FOR OVERALL WATER SPLITTING

By: CHEN, W; WU, BB; WANG, YY; et.al

Source: ENERGY & ENVIRONMENTAL SCIENCE 14 (12): 6428-6440 DEC 9 2021

Research Fields: ENVIRONMENT/ECOLOGY

Times Cited: 81

ESI Hot

10

NOVEL JOINT TRANSFER NETWORK FOR UNSUPERVISED BEARING FAULT DIAGNOSIS FROM SIMULATION DOMAIN TO EXPERIMENTAL DOMAIN

By: XIAO, YM; SHAO, HD; HAN, SY; et.al

Source: IEEE-ASME TRANSACTIONS ON MECHATRONICS 27 (6): 5254-5263 PART 2 DEC 2022

Research Fields: ENGINEERING

Times Cited: 75

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	By: LIN, HR; WANG, CH; XU, C; et.al Source: IEEE TRANSACTIONS ON COMPUTER-AIDED DESIGN OF INTEGRATED CIRCUITS AND SYSTEMS 42 (3): 942-955 MAR 2023 Research Fields: ENGINEERING	
	12 BRAIN-LIKE INITIAL-BOOSTED HYPERCHAOS AND APPLICATION IN BIOMEDICAL IMAGE ENCRYPTION	Times Cited: 74 ESI Hot Research Front
	By: LIN, HR; WANG, CH; CUI, L; et.al Source: IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS 18 (12): 8839-8850 DEC 2022 Research Fields: ENGINEERING	
	13 IDENTIFICATION OF THE HIGHLY ACTIVE CO-N-4 COORDINATION MOTIF FOR SELECTIVE OXYGEN REDUCTION TO HYDROGEN PEROXIDE	Times Cited: 65 ESI Hot Research Front
	By: CHEN, SY; LUO, T; LI, XQ; et.al Source: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 144 (32): 14505-14516 AUG 2022 Research Fields: CHEMISTRY	
	14 SPONTANEOUS CONSTRUCTION OF NUCLEOPHILIC CARBONYL-CONTAINING INTERPHASE TOWARD ULTRASTABLE ZINC-METAL ANODES	Times Cited: 64 ESI Hot
	By: WANG, PJ; LIANG, SQ; CHEN, C; et.al Source: ADVANCED MATERIALS 34 (33): - AUG 2022 Research Fields: MATERIALS SCIENCE	
	15 HOW ENVIRONMENTAL REGULATIONS AFFECT THE DEVELOPMENT OF GREEN FINANCE: RECENT EVIDENCE FROM POLLUTING FIRMS IN CHINA	Times Cited: 64 ESI Hot
	By: XU, Y; LI, SS; ZHOU, XX; et.al Source: RENEWABLE ENERGY 189: 917-926 APR 2022 Research Fields: ENGINEERING	
	16 GENERATING N-SCROLL CHAOTIC ATTRACTORS FROM A MEMRISTOR-BASED MAGNETIZED HOPFIELD NEURAL NETWORK	Times Cited: 58 ESI Hot Research Front
	By: LIN, HR; WANG, CH; SUN, YC; et.al Source: IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS II-EXPRESS BRIEFS 70 (1): 311-315 JAN 2023	

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	By: CHEN, SY; LI, XQ; KAO, CW; et.al Source: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 61 (32): - AUG 8 2022 Research Fields: CHEMISTRY	
	18 THE EMERGING DRIVING FORCE OF ENERGY CONSUMPTION IN CHINA: DOES DIGITAL ECONOMY DEVELOPMENT MATTER?	Times Cited: 48 ESI Hot Research Front
	By: XUE, Y; TANG, C; WU, HT; et.al Source: ENERGY POLICY 165: - JUN 2022 Research Fields: SOCIAL SCIENCES, GENERAL	
	19 A FUNCTIONALIZED SEPARATOR ENABLES DENDRITE-FREE ZN ANODE VIA METAL-POLYDOPAMINE COORDINATION CHEMISTRY	Times Cited: 46 ESI Hot Research Front
	By: LIU, YF; LIU, SD; XIE, XS; et.al Source: INFOMAT 5 (3): - MAR 2023 Research Fields: MATERIALS SCIENCE	
	20 A TAILORED ELECTROLYTE FOR SAFE AND DURABLE POTASSIUM ION BATTERIES	Times Cited: 45 ESI Hot Research Front
	By: FAN, L; XIE, HB; HU, YY; et.al Source: ENERGY & ENVIRONMENTAL SCIENCE 16 (1): 305-315 JAN 18 2023 Research Fields: ENVIRONMENT/ECOLOGY	
	21 ADVANCES IN PREPARATION, MECHANISM AND APPLICATIONS OF GRAPHENE QUANTUM DOTS/SEMICONDUCTOR COMPOSITE PHOTOCATALYSTS: A REVIEW	Times Cited: 40 ESI Hot
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	23 JOINT TASK OFFLOADING AND RESOURCE ALLOCATION FOR ENERGY-CONSTRAINED MOBILE EDGE COMPUTING By: JIANG, HB; DAI, XX; XIAO, Z; et.al Source: IEEE TRANSACTIONS ON MOBILE COMPUTING 22 (7): 4000-4015 JUL 1 2023 Research Fields: COMPUTER SCIENCE	Times Cited: 30 ESI Hot Research Front
	24 TASK CO-OFFLOADING FOR D2D-ASSISTED MOBILE EDGE COMPUTING IN INDUSTRIAL INTERNET OF THINGS By: DAI, XX; XIAO, Z; JIANG, HB; et.al Source: IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS 19 (1): 480-490 JAN 1 2023 Research Fields: ENGINEERING	Times Cited: 26 ESI Hot Research Front
	25 FUNCTIONAL METAL/CARBON COMPOSITES DERIVED FROM METAL-ORGANIC FRAMEWORKS: INSIGHT INTO STRUCTURES, PROPERTIES, PERFORMANCES, AND MECHANISMS By: XIAO, WJ; CHENG, M; LIU, Y; et.al Source: ACS CATALYSIS : 1759-1790 JAN 17 2023 Research Fields: CHEMISTRY	Times Cited: 24 ESI Hot Research Front
	26 A NOVEL CONDITIONAL WEIGHTING TRANSFER WASSERSTEIN AUTO-ENCODER FOR ROLLING BEARING FAULT DIAGNOSIS WITH MULTI-SOURCE DOMAINS By: ZHAO, K; JIA, F; SHAO, HD; Source: KNOWLEDGE-BASED SYSTEMS 262: - FEB 28 2023 Research Fields: COMPUTER SCIENCE	Times Cited: 21 ESI Hot Research Front

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	28 FEDERATED MULTI-SOURCE DOMAIN ADVERSARIAL ADAPTATION FRAMEWORK FOR MACHINERY FAULT DIAGNOSIS WITH DATA PRIVACY By: ZHAO, K; HU, JC; SHAO, HD; et.al Source: RELIABILITY ENGINEERING & SYSTEM SAFETY 236: - AUG 2023 Research Fields: ENGINEERING	Times Cited: 18 ESI Hot Research Front
	29 A REVIEW OF CHAOTIC SYSTEMS BASED ON MEMRISTIVE HOPFIELD NEURAL NETWORKS By: LIN, HR; WANG, CH; YU, F; et.al Source: MATHEMATICS 11 (6): - MAR 2023 Research Fields: MATHEMATICS	Times Cited: 12 ESI Hot Research Front
	30 ACHIEVING HIGHLY PROTON-RESISTANT ZN-PB ANODE THROUGH LOW HYDROGEN AFFINITY AND STRONG BONDING FOR LONG-LIFE ELECTROLYTIC ZN/MNO2 BATTERY By: RUAN, PC; CHEN, XH; QIN, LP; et.al Source: ADVANCED MATERIALS 35 (31): - AUG 2023 Research Fields: MATERIALS SCIENCE	Times Cited: 10 ESI Hot
	31 HEXAGONAL COBALT NANOSHEETS FOR HIGH-PERFORMANCE ELECTROCATALYTIC NO REDUCTION TO NH3 By: WANG, DD; CHEN, ZW; GU, KZ; et.al Source: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 145 (12): 6899-6904 MAR 29 2023 Research Fields: CHEMISTRY	Times Cited: 9 ESI Hot

32	HOW DOES ENVIRONMENTAL POLICY STRINGENCY INFLUENCE GREEN INNOVATION FOR ENVIRONMENTAL MANAGERMENTS?	Times Cited: 8 ESI Hot
By: XIE, PJ; XU, Y; TAN, X; et.al Source: JOURNAL OF ENVIRONMENTAL MANAGEMENT 338: - JUL 15 2023 Research Fields: ENVIRONMENT/ECOLOGY		
33	TESTING THE GENERALIZABILITY OF THE WHITE LEADERSHIP STANDARD IN THE POST-OBAMA ERA	Times Cited: 8 ESI Hot
By: UBAKA, A; LU, XX; GUTIERREZ, L; Source: LEADERSHIP QUARTERLY 34 (4): - AUG 2023 Research Fields: ECONOMICS & BUSINESS		
34	COLLABORATIVE FAULT DIAGNOSIS OF ROTATING MACHINERY VIA DUAL ADVERSARIAL GUIDED UNSUPERVISED MULTI-DOMAIN ADAPTATION NETWORK	Times Cited: 7 ESI Hot Research Front
By: CHEN, XK; SHAO, HD; XIAO, YM; et.al Source: MECHANICAL SYSTEMS AND SIGNAL PROCESSING 198: - SEP 1 2023 Research Fields: ENGINEERING		
35	DUAL-SALT ASSISTED SYNERGISTIC SYNTHESIS OF PRUSSIAN WHITE CATHODE TOWARDS HIGH-CAPACITY AND LONG CYCLE POTASSIUM ION BATTERY	Times Cited: 3 ESI Hot
By: MA, R; WANG, ZX; FU, QF; et.al Source: JOURNAL OF ENERGY CHEMISTRY 83: 16-23 AUG 2023 Research Fields: CHEMISTRY		

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- 1) Chunyu Cheng, Qinghua Liang, Ming Yan*, Zhifeng Liu*, Qingyun He, Ting Wu, Songhao Luo, Yuan Pan, Chenhui Zhao, Yang Liu, Advances in preparation, mechanism and applications of graphene quantum dots/semiconductor composite photocatalysts: A review, Journal of Hazardous Materials(SCI 2022 IF=13.6), 424(2022) 127721 (ESI Hot Paper and ESI Highly Cited Paper, ESI Hot Paper 第 1 次上榜)
- 2) Wenjun Xiao, Min Cheng*, Yang Liu*, Jun Wang*, Gaoxia Zhang, Zhen Wei, Ling Li, Li Du, Guangfu Wang, and Hongda Liu, Functional Metal/Carbon Composites Derived from Metal–Organic Frameworks: Insight into Structures, Properties, Performances, and Mechanisms, ACS Catalysis (SCI 2022 IF=12.9), 2023, 13 (3), 1759-1790 (ESI Hot Paper and ESI Highly Cited Paper, ESI Hot Paper 第 2 次上榜)