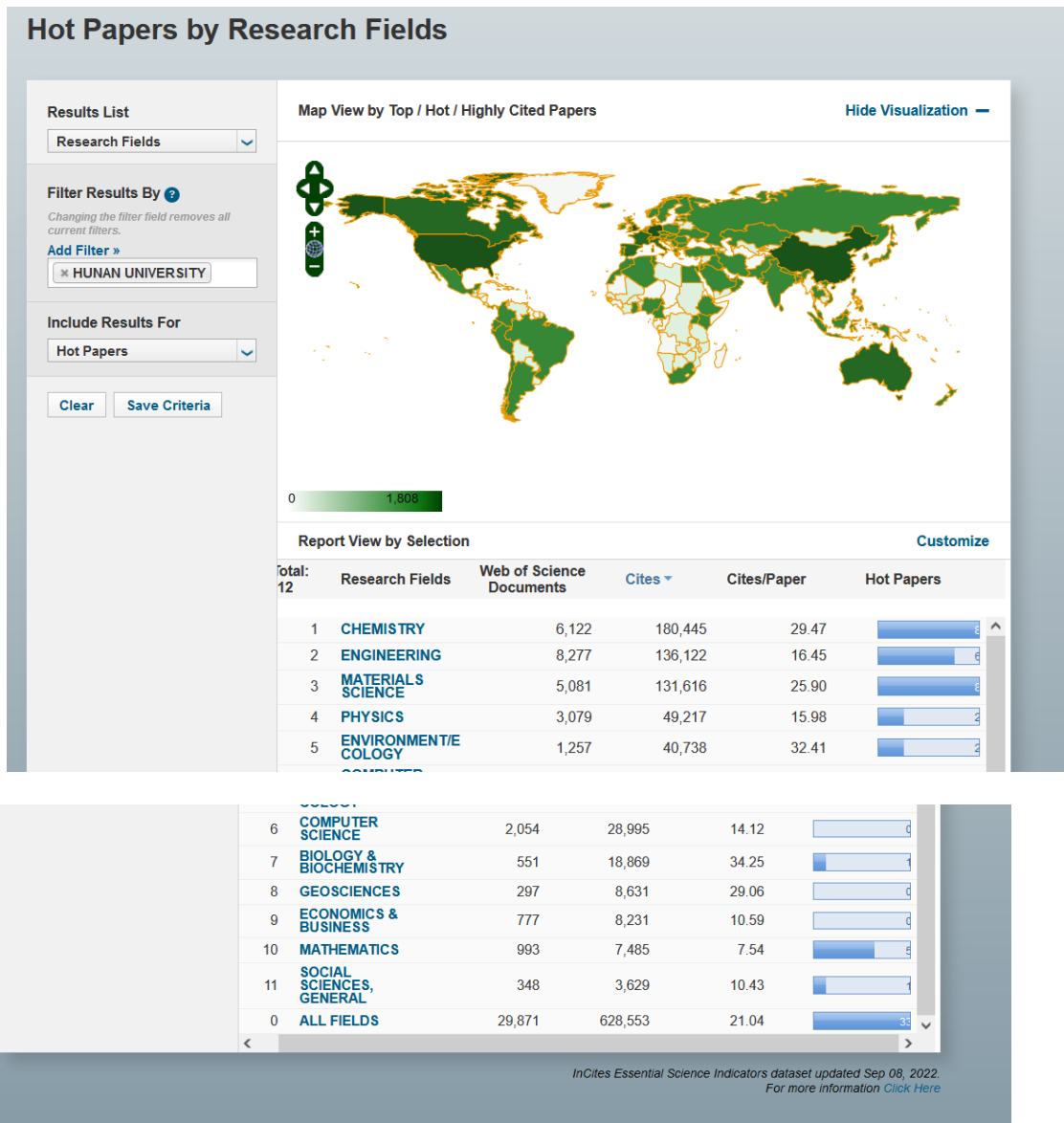


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OPERANDO IDENTIFICATION OF THE DYNAMIC BEHAVIOR OF OXYGEN VACANCY-RICH CO3O4 FOR OXYGEN EVOLUTION REACTION

By: XIAO, ZH; HUANG, YC; DONG, CL; et.al

Source: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 142 (28): 12087-12095 JUL 15 2020

Research Fields: CHEMISTRY

Times Cited: 248

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2

MOLECULAR ENGINEERING OF POLYMERIC CARBON NITRIDE FOR HIGHLY EFFICIENT PHOTOCATALYTIC OXYTETRACYCLINE DEGRADATION AND H2O2 PRODUCTION

By: YANG, Y; ZENG, GM; HUANG, DL; et.al

Source: APPLIED CATALYSIS B-ENVIRONMENTAL 272: - SEP 5 2020

Research Fields: CHEMISTRY

Times Cited: 139

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3

GRADIENT SOLID ELECTROLYTE INTERPHASE AND LITHIUM-ION SOLVATION REGULATED BY BISFLUOROACETAMIDE FOR STABLE LITHIUM METAL BATTERIES

By: LI, F; HE, J; LIU, JD; et.al

Source: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 60 (12): 6600-6608 MAR 15 2021

Research Fields: CHEMISTRY

Times Cited: 120

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4

SURFACE-PREFERRED CRYSTAL PLANE FOR A STABLE AND REVERSIBLE ZINC ANODE

By: ZHOU, M; GUO, S; LI, JL; et.al

Source: ADVANCED MATERIALS 33 (21): - MAY 2021

Research Fields: MATERIALS SCIENCE

Times Cited: 118

ESI Hot

5

PROMISES AND PROSPECTS OF TWO-DIMENSIONAL TRANSISTORS

By: LIU, Y; DUAN, XD; SHIN, HJ; et.al

Source: NATURE 591 (7848): 43-53 MAR 4 2021

Research Fields: MATERIALS SCIENCE

Times Cited: 102

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ADMETLAB 2.0: AN INTEGRATED ONLINE PLATFORM FOR ACCURATE AND COMPREHENSIVE PREDICTIONS OF ADMET PROPERTIES

By: XIONG, GL; WU, ZX; YI, JC; et.al
Source: NUCLEIC ACIDS RESEARCH 49 (W1): W5-W14 JUL 2 2021
Research Fields: BIOLOGY & BIOCHEMISTRY

Times Cited: 96

ESI Hot

Research Front

7

SHARP BOUNDS FOR THE TOADER MEAN OF ORDER 3 IN TERMS OF ARITHMETIC, QUADRATIC AND CONTRAHARMONIC MEANS

By: CHU, HH; ZHAO, TH; CHU, YM;
Source: MATHEMATICA SLOVACA 70 (5): 1097-1112 OCT 2020
Research Fields: MATHEMATICS

Times Cited: 86

ESI Hot

Research Front

8

SHARP BOUNDS FOR THE WEIGHTED HOLDER MEAN OF THE ZERO-BALANCED GENERALIZED COMPLETE ELLIPTIC INTEGRALS

By: ZHAO, TH; HE, ZY; CHU, YM;
Source: COMPUTATIONAL METHODS AND FUNCTION THEORY 21 (3): 413-426 SEP 2021
Research Fields: MATHEMATICS

Times Cited: 85

ESI Hot

Research Front

9

LIQUID THERMO-RESPONSIVE SMART WINDOW DERIVED FROM HYDROGEL

By: ZHOU, Y; WANG, SC; PENG, JQ; et.al
Source: JOULE 4 (11): 2458-2474 NOV 18 2020
Research Fields: ENGINEERING

Times Cited: 75

ESI Hot

Research Front

10

PH-BUFFER CONTAINED ELECTROLYTE FOR SELF-ADJUSTED CATHODE-FREE ZN-MNO2 BATTERIES WITH COEXISTENCE OF DUAL MECHANISMS

By: LIU, ZX; YANG, YQ; LIANG, SQ; et.al
Source: SMALL STRUCTURES 2 (11): - NOV 2021
Research Fields: MATERIALS SCIENCE

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| | 13 | OPTIMIZING ELECTRODE/ELECTROLYTE INTERPHASES AND LI-ION FLUX/SOLVATION FOR LITHIUM-METAL BATTERIES WITH QUA-FUNCTIONAL HEPTAFLUOROBUTYRIC ANHYDRIDE By: HUANG, JD; LIU, JD; HE, J; et al Source: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 60 (38): 20717-20722 SEP 13 2021 Research Fields: CHEMISTRY | Times Cited: 52 ESI Hot Research Front |
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| | 27 | 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: 16 ESI Hot Research Front |
| | 28 | 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: 11 ESI Hot Research Front |
| | 29 | TUNING Zn²⁺ COORDINATION TUNNEL BY HIERARCHICAL GEL ELECTROLYTE FOR DENDRITE-FREE ZINC ANODE By: ZHANG, BY; QIN, LP; FANG, Y; et.al Source: SCIENCE BULLETIN 67 (9): 955-962 MAY 15 2022 Research Fields: MATERIALS SCIENCE | Times Cited: 11 ESI Hot Research Front |
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- 1) Yang Yang, Guangming Zeng*, Danlian Huang*, Chen Zhang*, Donghui He, Chengyun Zhou, Wenjun Wang, Weiping Xiong, Xiaopei Li, Bisheng Li, Wanyue Dong, Yin Zhou, Molecular engineering of polymeric carbon nitride for highly efficient photocatalytic oxytetracycline degradation and H₂O₂ production. Applied Catalysis B: Environmental (SCI 2021 IF=24.319) (ESI Hot Paper and ESI Highly Cited Paper, ESI Hot Paper 第 3 次上榜)
- 2) Meng Qin¹, Changya Chen¹, Biao Song, Maocai Shen, Weicheng Cao, Hailan Yang, Guangming Zeng*, Jilai Gong*. A Review of Biodegradable Plastics to Biodegradable Microplastics: Another Ecological Threat to Soil Environments? Journal of Cleaner Production (SCI 2021 IF=11.072). 2021. 312 (127816); 1-15 (ESI Hot Paper and ESI Highly Cited Paper, ESI Hot Paper 第 1 次上榜)
- 3) Chao He, Wu Xia, Chengyun Zhou*, Danlian Huang, Chen Zhang, Biao Song, Yang Yang, Jun Li, Xing Xu, Yanan Shang, Li Du, Rational design to manganese and oxygen co-doped polymeric carbon nitride for efficient nonradical activation of peroxymonosulfate and the mechanism insight, Chemical Engineering Journal (SCI 2021 IF=16.774), 2022. 430 (132751): 1-11 (ESI Hot Paper and ESI Highly Cited Paper, ESI Hot Paper 第 1 次上榜)
- 4) Yang Liu, Chensi Tang, Min Cheng*, Ming Chen*, Sha Chen, Lei Lei, Yashi Chen, Huan Yi,

Yukui Fu, and Ling Li, Polyoxometalate@Metal-Organic Framework Composites as Effective Photocatalysts. ACS catalysis, 2021, 11, 21, 13374–13396 (ESI Hot Paper and ESI Highly Cited Paper, ESI Hot Paper 第 1 次上榜)

5) Chengyun Zhou*, Eydah Almatrafi, Xiaofeng Tang, Binbin Shao, Wu Xia, Biao Song, Weiping Xiong, Wenjun Wang, Hai Guo, Sha Chen, Guangming Zeng*, Investigation on the structure-performance of phthalic acid carboxyl position and carbon nitride towards efficient photocatalytic degradation of organic pollutants, Separation and Purification Technology (SCI 2021 IF=9.136) 286 (2022) 120464. (ESI Hot Paper and ESI Highly Cited Paper, ESI Hot Paper 第 1 次上榜)

6) Shaohua Wu, ChunpingYang*, Yan Lin*, Jay J. Cheng. Efficient degradation of tetracycline by singlet oxygen-dominated peroxymonosulfate activation with magnetic nitrogen-doped porous carbon. Journal of Environmental Sciences 115 (2022) 330-340. (ESI Hot Paper and ESI Highly Cited Paper, ESI Hot Paper 第 1 次上榜)