

Yongxiao Tuo

List of Publications by Year in descending order

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33
papers

1,144
citations

430874

18
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414414

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docs citations

33
times ranked

897
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Phosphorus Induced Electron Localization of Single Iron Sites for Boosted CO ₂ Electroreduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23614-23618. | 13.8 | 197 |
| 2 | Hierarchical trimetallic Co-Ni-Fe oxides derived from core-shell structured metal-organic frameworks for highly efficient oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2021, 287, 119953. | 20.2 | 175 |
| 3 | Ta-doping triggered electronic structural engineering and strain effect in NiFe LDH for enhanced water oxidation. <i>Chemical Engineering Journal</i> , 2021, 403, 126297. | 12.7 | 154 |
| 4 | Dual Role of Pyridinic-N Doping in Carbon-Coated Ni Nanoparticles for Highly Efficient Electrochemical CO ₂ Reduction to CO over a Wide Potential Range. <i>ACS Catalysis</i> , 2022, 12, 1364-1374. | 11.2 | 73 |
| 5 | Highly efficient CoMoS heterostructure derived from vertically anchored Co ₅ Mo ₁₀ polyoxometalate for electrocatalytic overall water splitting. <i>Chemical Engineering Journal</i> , 2020, 394, 124849. | 12.7 | 67 |
| 6 | Partial positively charged Pt in Pt/MgAl ₂ O ₄ for enhanced dehydrogenation activity. <i>Applied Catalysis B: Environmental</i> , 2021, 288, 119996. | 20.2 | 44 |
| 7 | Identifying the role of Ni and Fe in Fe co-doped orthorhombic CoSe ₂ for driving enhanced electrocatalytic activity for oxygen evolution reaction. <i>Electrochimica Acta</i> , 2020, 335, 135682. | 5.2 | 39 |
| 8 | In-situ doping-induced lattice strain of NiCoP/S nanocrystals for robust wide pH hydrogen evolution electrocatalysis and supercapacitor. <i>Journal of Energy Chemistry</i> , 2022, 70, 27-35. | 12.9 | 32 |
| 9 | Ultra-small Co/CoO nanoparticles dispersed on N-doped carbon nanosheets for highly efficient electrocatalytic oxygen evolution reaction. <i>Journal of Energy Chemistry</i> , 2021, 55, 345-354. | 12.9 | 29 |
| 10 | Regulating light olefins or aromatics production in ex-situ catalytic pyrolysis of biomass by engineering the structure of tin modified ZSM-5 catalyst. <i>Bioresource Technology</i> , 2021, 330, 124975. | 9.6 | 25 |
| 11 | Mesopore-Free Strategy to Construct Hierarchical TS-1 in a Highly Concentrated System for Gas-Phase Propene Epoxidation with H ₂ and O ₂ . <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26134-26142. | 8.0 | 22 |
| 12 | Phosphorus Induced Electron Localization of Single Iron Sites for Boosted CO ₂ Electroreduction Reaction. <i>Angewandte Chemie</i> , 2021, 133, 23806-23810. | 2.0 | 22 |
| 13 | Bifunctional Fe ₃ O ₄ /Au/CoFe-LDH Sandwich-Structured Electrocatalyst for Asymmetrical Electrolyzer with Low Operation Voltage. <i>Small</i> , 2021, 17, e2103307. | 10.0 | 22 |
| 14 | Effects of carbon support on microwave-assisted catalytic dehydrogenation of decalin. <i>Carbon</i> , 2014, 67, 775-783. | 10.3 | 21 |
| 15 | Synthesis and identifying the active site of Cu ₂ Se@CoSe nano-composite for enhanced electrocatalytic oxygen evolution. <i>Electrochimica Acta</i> , 2019, 320, 134589. | 5.2 | 21 |
| 16 | Interfacial polarization in ultra-small Co ₃ S ₄ ~MoS ₂ heterostructure for efficient electrocatalytic hydrogen evolution reaction. <i>Applied Materials Today</i> , 2022, 26, 101311. | 4.3 | 21 |
| 17 | The facile synthesis of core-shell PtCu nanoparticles with superior electrocatalytic activity and stability in the hydrogen evolution reaction. <i>RSC Advances</i> , 2021, 11, 26326-26335. | 3.6 | 20 |
| 18 | Density functional theory study of decalin dehydrogenation for hydrogen release on Pt(111) and Pt(211). <i>International Journal of Hydrogen Energy</i> , 2018, 43, 19575-19588. | 7.1 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Embedding anion-doped Fe ₇ S ₈ in N-doped carbon matrix and shell for fast and stable sodium storage. <i>Materials Chemistry and Physics</i> , 2021, 264, 124456. | 4.0 | 18 |
| 20 | Microwave-assisted hydrogen releasing from liquid organic hydride over Pt/CNT catalyst: Effects of oxidation treatment of CNTs. <i>Catalysis Today</i> , 2016, 276, 121-127. | 4.4 | 16 |
| 21 | Engineering Pt/carbon-nanofibers/carbon-paper composite towards highly efficient catalyst for hydrogen evolution from liquid organic hydride. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 12217-12226. | 7.1 | 15 |
| 22 | Hierarchical Cu ₃ P-based nanoarrays on nickel foam as efficient electrocatalysts for overall water splitting. <i>Green Energy and Environment</i> , 2022, 7, 236-245. | 8.7 | 15 |
| 23 | Graphene@CNT composite as catalyst support for microwave-assisted hydrogen releasing from liquid organic hydride. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 17403-17413. | 7.1 | 13 |
| 24 | Kinetic behavior of Pt catalyst supported on structured carbon nanofiber bed during hydrogen releasing from decalin. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 10755-10765. | 7.1 | 11 |
| 25 | Carbon nanotubes-supported Pt catalysts for decalin dehydrogenation to release hydrogen: A comparison between nitrogen- and oxygen-surface modification. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 930-942. | 7.1 | 8 |
| 26 | An efficient and stable coral-like CoFeS ₂ for wearable flexible all-solid-state asymmetric supercapacitor applications. <i>New Journal of Chemistry</i> , 2021, 45, 16606-16616. | 2.8 | 8 |
| 27 | Searching for efficient defect types in carbon nanofibers to promote supported Pt catalytic activity for dehydrogenation reaction. <i>Catalysis Today</i> , 2020, 347, 87-95. | 4.4 | 7 |
| 28 | Strandberg-type polyoxometalate deriving O,P co-doped NiMoS/CC catalyst for highly efficient hydrogen evolution electrocatalysis. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 25571-25582. | 7.1 | 7 |
| 29 | Mesoporous Mn-Doped FeP: Facile Synthesis and Enhanced Electrocatalytic Activity for Hydrogen Evolution in a Wide pH Range. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , . | 6.7 | 6 |
| 30 | Constructing RuCoO _x /NC Nanosheets with Low Crystallinity within ZIF-9 as Bifunctional Catalysts for Highly Efficient Overall Water Splitting. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2511-2519. | 3.3 | 6 |
| 31 | Synthesis of P-doped NiS as an electrode material for supercapacitors with enhanced rate capability and cycling stability. <i>New Journal of Chemistry</i> , 2022, 46, 6461-6469. | 2.8 | 5 |
| 32 | Achieving ultra-dispersed 1T-Co-MoS ₂ @HMCS space-confined engineering for highly efficient hydrogen evolution in the universal pH range. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2617-2627. | 6.0 | 5 |
| 33 | Engineering the efficient three-dimension hollow cubic carbon from vacuum residuum with enhanced mass transfer ability towards H ₂ O ₂ production. <i>Chinese Journal of Chemical Engineering</i> , 2021, 38, 98-105. | 3.5 | 1 |