

Longtian Kang

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,142
citations

516710

16
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

1868
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | The synthesis and synergistic catalysis of iron phthalocyanine and its graphene-based axial complex for enhanced oxygen reduction. <i>Nano Energy</i> , 2018, 46, 347-355. | 16.0 | 136 |
| 2 | Colloid Chemical Reaction Route to the Preparation of Nearly Monodispersed Perylene Nanoparticles: A Size-Tunable Synthesis and Three-Dimensional Self-Organization. <i>Journal of the American Chemical Society</i> , 2007, 129, 7305-7312. | 13.7 | 119 |
| 3 | Controlled Morphogenesis of Organic Polyhedral Nanocrystals from Cubes, Cubooctahedrons, to Octahedrons by Manipulating the Growth Kinetics. <i>Journal of the American Chemical Society</i> , 2011, 133, 1895-1901. | 13.7 | 103 |
| 4 | Cobalt layered double hydroxide nanosheets synthesized in water-methanol solution as oxygen evolution electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5999-6006. | 10.3 | 103 |
| 5 | Chemical redox modulated fluorescence of nitrogen-doped graphene quantum dots for probing the activity of alkaline phosphatase. <i>Biosensors and Bioelectronics</i> , 2017, 94, 271-277. | 10.1 | 94 |
| 6 | Electrocatalytic reduction of CO ₂ to CO over iron phthalocyanine-modified graphene nanocomposites. <i>Carbon</i> , 2020, 167, 658-667. | 10.3 | 58 |
| 7 | In-situ growth of iron/nickel phosphides hybrid on nickel foam as bifunctional electrocatalyst for overall water splitting. <i>Journal of Power Sources</i> , 2019, 424, 42-51. | 7.8 | 56 |
| 8 | Functionalization of multi-walled carbon nanotubes with iron phthalocyanine via a liquid chemical reaction for oxygen reduction in alkaline media. <i>Journal of Power Sources</i> , 2018, 389, 260-266. | 7.8 | 55 |
| 9 | Multisource Synergistic Electrocatalytic Oxidation Effect of Strongly Coupled PdM (M = Sn, Ni, Cu) on Overall Water Splitting. <i>Journal of Power Sources</i> , 2019, 424, 42-51. | 3.3 | 48 |
| 10 | The construction of porous graphene tri-doped with B, N and Co for enhanced oxygen reduction reaction. <i>Carbon</i> , 2019, 145, 311-320. | 10.3 | 45 |
| 11 | The effect of oxygen content of carbon nanotubes on the catalytic activity of carbon-based iron phthalocyanine for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2018, 281, 562-570. | 5.2 | 43 |
| 12 | Rapid room-temperature synthesis of silver nanoplates with tunable in-plane surface plasmon resonance from visible to near-IR. <i>Journal of Materials Chemistry</i> , 2008, 18, 2673. | 6.7 | 40 |
| 13 | One-dimensional nanocrystals of cobalt perylene diimide polymer with in-situ generated FeOOH for efficient photocatalytic water oxidation. <i>Applied Catalysis B: Environmental</i> , 2020, 260, 118135. | 20.2 | 40 |
| 14 | Assembly of Cobalt Layered Double Hydroxide on Cuprous Phosphide Nanowire with Strong Built-in Potential for Accelerated Overall Water Splitting. <i>Small</i> , 2021, 17, e2101725. | 10.0 | 26 |
| 15 | Thermal expansion of nano-sized BaTiO ₃ . <i>CrystEngComm</i> , 2015, 17, 1944-1951. | 2.6 | 23 |
| 16 | Organic core/diffuse-shell nanorods: fabrication, characterization and energy transfer. <i>Chemical Communications</i> , 2007, , 2695. | 4.1 | 22 |
| 17 | Synthesis of Z-scheme cobalt porphyrin/nitrogen-doped graphene quantum dot heterojunctions for efficient molecule-based photocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2021, 9, 2404-2413. | 10.3 | 19 |
| 18 | Direct photocatalytic hydrogen evolution from water splitting using nanostructures of hydrate organic small molecule as photocatalysts. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6577-6584. | 10.3 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Synthesis of Ultrathin Nanosheets of Perylene. <i>Crystal Growth and Design</i> , 2015, 15, 1011-1016. | 3.0 | 15 |
| 20 | Effect of Axial Coordination of Iron Porphyrin on Their Nanostructures and Photocatalytic Performance. <i>Crystal Growth and Design</i> , 2019, 19, 3279-3287. | 3.0 | 13 |
| 21 | Cobalt-intercalated one-dimensional nanocrystals of urea perylene imide polymer for enhanced visible-light photocatalytic water oxidation. <i>Applied Catalysis B: Environmental</i> , 2022, 309, 121293. | 20.2 | 12 |
| 22 | The controllable synthesis of ultrafine one-dimensional small-molecule semiconducting nanocrystals in surfactant-assisted wet chemical reactions and their confinement effect. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6377-6385. | 5.5 | 11 |
| 23 | Controllable dispersion of cobalt phthalocyanine molecules on graphene oxide for enhanced electrocatalytic reduction of CO ₂ to CO. <i>New Journal of Chemistry</i> , 2022, 46, 7153-7160. | 2.8 | 11 |
| 24 | The role of dissolution in the synthesis of high-activity organic nanocatalysts in a wet chemical reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8029-8036. | 10.3 | 6 |
| 25 | Controllable Synthesis and Effects of Porphyrin Copper Nanostructures on Photoelectric Properties. <i>Crystal Growth and Design</i> , 2021, 21, 3582-3591. | 3.0 | 6 |
| 26 | Heterostructure of Semiconductors on Self-Supported Cuprous Phosphide Nanowires for Enhanced Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17520-17530. | 8.0 | 6 |
| 27 | A fluorometric displacement assay for adenosine triphosphate using layered cobalt(II) double hydroxide nanosheets. <i>Mikrochimica Acta</i> , 2019, 186, 263. | 5.0 | 5 |
| 28 | Morphology-dependent Photoelectric Properties and Photocatalytic CO ₂ Reduction of Zinc Porphyrin Nanocrystals. <i>Crystal Growth and Design</i> , 2022, 22, 2620-2627. | 3.0 | 5 |
| 29 | Synthesis of one-dimensional nickel perylene diimide/iron hydroxide nanohybrid as catalyst and precursor for efficient photocatalytic and electrocatalytic water oxidation. <i>Journal of Power Sources</i> , 2021, 489, 229493. | 7.8 | 4 |