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	Controllable dispersion of cobalt phthalocyanine molecules on graphene oxide for enhanced electrocatalytic reduction of CO₂ to CO. New Journal of Chemistry, 2022, 46, 7153-7160.	2.8	11
2	Morphology-dependent Photoelectric Properties and Photocatalytic CO₂ Reduction of Zinc Porphyrin Nanocrystals. Crystal Growth and Design, 2022, 22, 2620-2627.	3.0	5
3	Heterostructure of Semiconductors on Self-Supported Cuprous Phosphide Nanowires for Enhanced Overall Water Splitting. ACS Applied Materials & Interfaces, 2022, 14, 17520-17530.	8.0	6
4	Cobalt-intercalated one-dimensional nanocrystals of urea perylene imide polymer for enhanced visible-light photocatalytic water oxidation. Applied Catalysis B: Environmental, 2022, 309, 121293.	20.2	12
5	Synthesis of one-dimensional nickel perylene diimide/iron hydroxide nanohybrid as catalyst and precursor for efficient photocatalytic and electrocatalytic water oxidation. Journal of Power Sources, 2021, 489, 229493.	7.8	4
6	Controllable Synthesis and Effects of Porphyrin Copper Nanostructures on Photoelectric Properties. Crystal Growth and Design, 2021, 21, 3582-3591.	3.0	6
7	Assembly of Cobalt Layered Double Hydroxide on Cuprous Phosphide Nanowire with Strong Builtâ€in Potential for Accelerated Overall Water Splitting. Small, 2021, 17, e2101725.	10.0	26
8	Synthesis of Z-scheme cobalt porphyrin/nitrogen-doped graphene quantum dot heterojunctions for efficient molecule-based photocatalytic oxygen evolution. Journal of Materials Chemistry A, 2021, 9, 2404-2413.	10.3	19
9	One-dimensional nanocrystals of cobalt perylene diimide polymer with in-situ generated FeOOH for efficient photocatalytic water oxidation. Applied Catalysis B: Environmental, 2020, 260, 118135.	20.2	40
10	Electrocatalytic reduction of CO2 to CO over iron phthalocyanine-modified graphene nanocomposites. Carbon, 2020, 167, 658-667.	10.3	58
11	Effect of Axial Coordination of Iron Porphyrin on Their Nanostructures and Photocatalytic Performance. Crystal Growth and Design, 2019, 19, 3279-3287.	3.0	13
12	A fluorometric displacement assay for adenosine triphosphate using layered cobalt(II) double hydroxide nanosheets. Mikrochimica Acta, 2019, 186, 263.	5.0	5
13	In-situ growth of iron/nickel phosphides hybrid on nickel foam as bifunctional electrocatalyst for overall water splitting. Journal of Power Sources, 2019, 424, 42-51.	7.8	56
14	The construction of porous graphene tri-doped with B, N and Co for enhanced oxygen reduction reaction. Carbon, 2019, 145, 311-320.	10.3	45
15	Cobalt layered double hydroxide nanosheets synthesized in waterâ€“methanol solution as oxygen evolution electrocatalysts. Journal of Materials Chemistry A, 2018, 6, 5999-6006.	10.3	103
16	The synthesis and synergistic catalysis of iron phthalocyanine and its graphene-based axial complex for enhanced oxygen reduction. Nano Energy, 2018, 46, 347-355.	16.0	136
17	Functionalization of multi-walled carbon nanotubes with iron phthalocyanine via a liquid chemical reaction for oxygen reduction in alkaline media. Journal of Power Sources, 2018, 389, 260-266.	7.8	55
18	The effect of oxygen content of carbon nanotubes on the catalytic activity of carbon-based iron phthalocyanine for oxygen reduction reaction. Electrochimica Acta, 2018, 281, 562-570.	5.2	43

#	Article	IF	Citations
19	Chemical redox modulated fluorescence of nitrogen-doped graphene quantum dots for probing the activity of alkaline phosphatase. Biosensors and Bioelectronics, 2017, 94, 271-277.	10.1	94
20	The controllable synthesis of ultrafine one-dimensional small-molecule semiconducting nanocrystals in surfactant-assisted wet chemical reactions and their confinement effect. Journal of Materials Chemistry C, 2017, 5, 6377-6385.	5.5	11
21	The role of dissolution in the synthesis of high-activity organic nanocatalysts in a wet chemical reaction. Journal of Materials Chemistry A, 2017, 5, 8029-8036.	10.3	6
22	Direct photocatalytic hydrogen evolution from water splitting using nanostructures of hydrate organic small molecule as photocatalysts. Journal of Materials Chemistry A, 2016, 4, 6577-6584.	10.3	16
23	Multisource Synergistic Electrocatalytic Oxidation Effect of Strongly Coupled PdM (Mâ€‰=â€‰Sn,) Tj ETQq1 1 0.784314 rgBT /Ove	3.3	48
24	Synthesis of Ultrathin Nanosheets of Perylene. Crystal Growth and Design, 2015, 15, 1011-1016.	3.0	15
25	Thermal expansion of nano-sized BaTiO₃. CrystEngComm, 2015, 17, 1944-1951.	2.6	23
26	Controlled Morphogenesis of Organic Polyhedral Nanocrystals from Cubes, Cubooctahedrons, to Octahedrons by Manipulating the Growth Kinetics. Journal of the American Chemical Society, 2011, 133, 1895-1901.	13.7	103
27	Rapid room-temperature synthesis of silver nanoplates with tunable in-plane surface plasmon resonance from visible to near-IR. Journal of Materials Chemistry, 2008, 18, 2673.	6.7	40
28	Organic core/diffuse-shell nanorods: fabrication, characterization and energy transfer. Chemical Communications, 2007, , 2695.	4.1	22
29	Colloid Chemical Reaction Route to the Preparation of Nearly Monodispersed Perylene Nanoparticles:Â Size-Tunable Synthesis and Three-Dimensional Self-Organization. Journal of the American Chemical Society, 2007, 129, 7305-7312.	13.7	119