

Bing Luo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1383629/publications.pdf>

Version: 2024-02-01

34
papers

1,020
citations

430874

18
h-index

434195

31
g-index

35
all docs

35
docs citations

35
times ranked

994
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Efficient photothermal catalytic hydrogen production via plasma-induced photothermal effect of Cu/TiO ₂ nanoparticles. International Journal of Hydrogen Energy, 2023, 48, 6336-6345. | 7.1 | 12 |
| 2 | Significantly enhanced photothermal catalytic hydrogen evolution over Cu ₂ O-rGO/TiO ₂ composite with full spectrum solar light. Journal of Colloid and Interface Science, 2022, 608, 2058-2065. | 9.4 | 53 |
| 3 | Synergistic effect of nitrogen vacancy on ultrathin graphitic carbon nitride porous nanosheets for highly efficient photocatalytic H ₂ evolution. Chemical Engineering Journal, 2022, 431, 134101. | 12.7 | 74 |
| 4 | Morphologies dependence of hydrogen evolution over CeO ₂ via ultrasonic triggering. International Journal of Hydrogen Energy, 2022, 47, 15149-15159. | 7.1 | 9 |
| 5 | Urchinlike Carbon-Coated TiO ₂ Microspheres with Enhanced Photothermal-Photocatalytic Hydrogen Evolution Performance for Full-Spectrum Solar Energy Conversion. Industrial & Engineering Chemistry Research, 2022, 61, 6436-6447. | 3.7 | 6 |
| 6 | Polymer Photoelectrodes for Solar Fuel Production: Progress and Challenges. Chemical Reviews, 2022, 122, 11778-11829. | 47.7 | 39 |
| 7 | Efficient photothermal-assisted photocatalytic hydrogen production over a plasmonic CuNi bimetal cocatalyst. Journal of Colloid and Interface Science, 2022, 626, 975-984. | 9.4 | 14 |
| 8 | Efficient photothermocatalytic hydrogen production performance over a graphene-titanium dioxide hybrid nanomaterial. International Journal of Hydrogen Energy, 2021, 46, 2871-2877. | 7.1 | 16 |
| 9 | Determination of the real quantum yield of the heterogeneous photocatalytic H ₂ production reaction and insights. Measurement Science and Technology, 2021, 32, 045901. | 2.6 | 1 |
| 10 | State-of-the-art progress in overall water splitting of carbon nitride based photocatalysts. Frontiers in Energy, 2021, 15, 600-620. | 2.3 | 13 |
| 11 | Hollow Carbon Sphere-Modified Graphitic Carbon Nitride for Efficient Photocatalytic H ₂ Production. Chemistry - A European Journal, 2021, 27, 16879-16888. | 3.3 | 9 |
| 12 | Significantly Enhanced Photocatalytic Hydrogen Generation over a 2D/2D Z-Scheme La ₂ NiO ₄ /g-C ₃ N ₄ Hybrid Free of Noble Metal Cocatalyst. ACS Applied Energy Materials, 2021, 4, 10721-10730. | 5.1 | 13 |
| 13 | High efficiency photoelectrochemical hydrogen generation using eco-friendly Cu doped Zn-In-Se colloidal quantum dots. Nano Energy, 2021, 88, 106220. | 16.0 | 23 |
| 14 | Unlocking the effects of Cu doping in heavy-metal-free AgIn ₅ S ₈ quantum dots for highly efficient photoelectrochemical solar energy conversion. Journal of Materials Chemistry C, 2021, 9, 9610-9618. | 5.5 | 10 |
| 15 | The <i>in situ</i> photodeposition fabrication of a Ni _x Co _y /g-C ₃ N ₄ photocatalyst for efficient catalytic hydrogen generation. Catalysis Science and Technology, 2021, 11, 7624-7631. | 4.1 | 5 |
| 16 | Engineering a Copper@Polypyrrole Nanowire Network in the Near Field for Plasmon-Enhanced Solar Evaporation. ACS Nano, 2021, 15, 16376-16394. | 14.6 | 39 |
| 17 | Hydrogen production versus photocatalyst dimension under concentrated solar light: A case over titanium dioxide. Solar Energy, 2021, 230, 538-548. | 6.1 | 6 |
| 18 | Eco-friendly quantum dots for liquid luminescent solar concentrators. Journal of Materials Chemistry A, 2020, 8, 1787-1798. | 10.3 | 34 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Plasmon-induced photothermal effect of sub-10-nm Cu nanoparticles enables boosted full-spectrum solar H ₂ production. <i>AIChE Journal</i> , 2020, 66, e17008. | 3.6 | 23 |
| 20 | Boosting photoelectrochemical hydrogen generation on Cu-doped AgIn ₅ S ₈ /ZnS colloidal quantum dot sensitized photoanodes via shell-layer homojunction defect passivation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24655-24663. | 10.3 | 18 |
| 21 | In situ synthesis of ultrafine metallic MoO ₂ /carbon nitride nanosheets for efficient photocatalytic hydrogen generation: a prominent cocatalytic effect. <i>Catalysis Science and Technology</i> , 2020, 10, 4053-4060. | 4.1 | 9 |
| 22 | Efficient Ni _x cocatalyst to promote visible light photocatalytic H ₂ production over g-C ₃ N ₄ : A novel solvothermal synthesis method. <i>Applied Surface Science</i> , 2020, 511, 145646. | 6.1 | 26 |
| 23 | Towards the prominent cocatalytic effect of ultra-small CoP particles anchored on g-C ₃ N ₄ nanosheets for visible light driven photocatalytic H ₂ production. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117819. | 20.2 | 112 |
| 24 | Strengthened spatial charge separation over Z-scheme heterojunction photocatalyst for efficient photocatalytic H ₂ evolution. <i>Applied Surface Science</i> , 2019, 475, 453-461. | 6.1 | 23 |
| 25 | Rapid high-temperature treatment on graphitic carbon nitride for excellent photocatalytic H ₂ -evolution performance. <i>Applied Catalysis B: Environmental</i> , 2018, 233, 80-87. | 20.2 | 79 |
| 26 | Significantly enhanced photocatalytic hydrogen generation over graphitic carbon nitride with carefully modified intralayer structures. <i>Chemical Engineering Journal</i> , 2018, 332, 499-507. | 12.7 | 47 |
| 27 | Photocatalytic Hydrogen Evolution over Ni ₂ P/TiO ₂ for Full-Spectrum Solar Energy Conversion. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 7846-7854. | 3.7 | 61 |
| 28 | Facile preparation with high yield of a 3D porous graphitic carbon nitride for dramatically enhanced photocatalytic H ₂ evolution under visible light. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 294-301. | 20.2 | 50 |
| 29 | Synergetic coupling of photo and thermal energy for efficient hydrogen production by formic acid reforming. <i>AIChE Journal</i> , 2017, 63, 2916-2925. | 3.6 | 40 |
| 30 | Highly efficient photocatalytic H ₂ evolution using TiO ₂ nanoparticles integrated with electrocatalytic metal phosphides as cocatalysts. <i>Applied Surface Science</i> , 2017, 416, 957-964. | 6.1 | 50 |
| 31 | ZnCr LDH nanosheets modified graphitic carbon nitride for enhanced photocatalytic hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 23427-23436. | 7.1 | 61 |
| 32 | Particle aggregation behavior during photocatalytic ethanol reforming reaction and its correlation with the activity of H ₂ production. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 535, 114-120. | 4.7 | 7 |
| 33 | Efficient photothermal catalytic hydrogen production over nonplasmonic Pt metal supported on TiO ₂ . <i>Proceedings of SPIE</i> , 2016, , . | 0.8 | 4 |
| 34 | Modeling of anisotropic flow and thermodynamic properties of magnetic nanofluids induced by external magnetic field with varied imposing directions. <i>Journal of Applied Physics</i> , 2015, 118, . | 2.5 | 34 |