# Yun Hang Hu

List of Publications by Year
in descending order

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Version: 2024-02-01

| | | 11651 | 19749 |
|---|---|---|---|
| 243 | 15,981 | 70 | 117 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 247 | 247 | 247 | 16019 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Multiple roles of graphene in electrocatalysts for metal-air batteries. Catalysis Today, 2023, 409, 2-22. | 4.4 | 12 |
| 2 | Recent progress in design and fabrication of SOFC cathodes for efficient catalytic oxygen reduction. Catalysis Today, 2023, 409, 71-86. | 4.4 | 30 |
| 3 | Recent advances in single-atom catalysts for CO oxidation. Catalysis Reviews - Science and Engineering, 2022, 64, 491-532. | 12.9 | 35 |
| 4 | Enhanced photocatalytic CO2 hydrogenation with wide-spectrum utilization over black TiO2 supported catalyst. Chinese Chemical Letters, 2022, 33, 812-816. | 9.0 | 18 |
| 5 | Thermo-photo coupled catalytic CO2 reforming of methane: A review. Chemical Engineering Journal, 2022, 428, 131222. | 12.7 | 24 |
| 6 | Hierarchically Porous Polymeric Carbon Nitride as a Volume Photocatalyst for Efficient H<sub>2</sub> Generation under Strong Irradiation. Solar Rrl, 2022, 6, 2100823. | 5.8 | 27 |
| 7 | Self-stabilization of Ni/Al2O3 Catalyst with a NiAl2O4 Isolation Layer in Dry Reforming of Methane. Catalysis Letters, 2022, 152, 2852-2859. | 2.6 | 6 |
| 8 | Degradation issues and stabilization strategies of protonic ceramic electrolysis cells for steam electrolysis. Energy Science and Engineering, 2022, 10, 1706-1725. | 4.0 | 23 |
| 9 | Optimal preparation of molybdenum phosphide cocatalyst for efficient dye-sensitized photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2022, 47, 3814-3823. | 7.1 | 6 |
| 10 | Fund industrial fellowships for faculty to benefit graduates. Nature, 2022, 601, 508-508. | 27.8 | 0 |
| 11 | Design, synthesis, and performance of adsorbents for heavy metal removal from wastewater: a review. Journal of Materials Chemistry A, 2022, 10, 1047-1085. | 10.3 | 68 |
| 12 | Thin-water-film-enhanced TiO<sub>2</sub>-based catalyst for CO<sub>2</sub> hydrogenation to formic acid. Chemical Communications, 2022, 58, 787-790. | 4.1 | 5 |
| 13 | Hierarchically Porous Polymeric Carbon Nitride as a Volume Photocatalyst for Efficient H<sub>2</sub> Generation under Strong Irradiation. Solar Rrl, 2022, 6, . | 5.8 | 3 |
| 14 | Strategies for improving photoelectrochemical water splitting performance of Siâ€based electrodes. Energy Science and Engineering, 2022, 10, 1526-1543. | 4.0 | 29 |
| 15 | Confined synthesis of condensed Ï€-conjugation C-PAN/MS-CN nanotubes for efficient photocatalytic H<sub>2</sub> evolution. Chemical Communications, 2022, 58, 4352-4355. | 4.1 | 9 |
| 16 | Ultraâ€stable Molecular Interface SiW<sub>12</sub>O<sub>x</sub>/TiO<sub>2</sub> Catalyst Derived from Kegginātype Polyoxometalates for Photocatalytic Conversion of Methane to Oxygenates. ChemCatChem, 2022, 14, . | 3.7 | 7 |
| 17 | Pre-intercalation of phosphate into Ni(OH)2/NiOOH for efficient and stable electrocatalytic oxygen evolution reaction. Journal of Catalysis, 2022, 410, 22-30. | 6.2 | 26 |
| 18 | Thermo-photo catalysis: a whole greater than the sum of its parts. Chemical Society Reviews, 2022, 51, 3609-3647. | 38.1 | 95 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Energy Science & Engineering: 10 Years of excellence. Energy Science and Engineering, 2022, 10, 1570-1571. | 4.0 | 0 |
| 20 | Tuning metal-support interaction of NiCu/graphene cocatalysts for enhanced dye-sensitized photocatalytic H2 evolution. Applied Surface Science, 2022, 593, 153459. | 6.1 | 14 |
| 21 | New chemistry for one-step synthesis of tunable 3D hydrogenated graphene. Journal of Physics and Chemistry of Solids, 2022, 167, 110772. | 4.0 | 2 |
| 22 | Trash to treasure: Fallen leaves as separators for supercapacitors. International Journal of Energy Research, 2022, 46, 14517-14525. | 4.5 | 4 |
| 23 | Theoretical and Experimental Studies of Gallate Melilite Electrides from Topotactic Reduction of Interstitial Oxide Ion Conductors. Inorganic Chemistry, 2022, 61, 10915-10924. | 4.0 | 2 |
| 24 | Recent advances in grapheneâ€based materials for fuel cell applications. Energy Science and Engineering, 2021, 9, 958-983. | 4.0 | 93 |
| 25 | Excellent photocatalytic degradation of tetracycline over black anatase-TiO2 under visible light. Chemical Engineering Journal, 2021, 406, 126747. | 12.7 | 184 |
| 26 | Cyclo[18]carbon as an ultra-elastic molecular O-ring with unique mechanical properties. Carbon, 2021, 171, 96-103. | 10.3 | 40 |
| 27 | A comprehensive review on catalysts for electrocatalytic and photoelectrocatalytic degradation of antibiotics. Chemical Engineering Journal, 2021, 409, 127739. | 12.7 | 119 |
| 28 | Structurally and chemically engineered graphene for capacitive deionization. Journal of Materials Chemistry A, 2021, 9, 1429-1455. | 10.3 | 45 |
| 29 | Strategies of tuning catalysts for efficient photodegradation of antibiotics in water environments: a review. Journal of Materials Chemistry A, 2021, 9, 2592-2611. | 10.3 | 72 |
| 30 | Direct conversion of methane to oxygenates catalyzed by iron( <scp>III</scp> ) chloride in water at near ambient temperature. International Journal of Energy Research, 2021, 45, 2581-2592. | 4.5 | 7 |
| 31 | 1T Phase Transition Metal Dichalcogenides for Hydrogen Evolution Reaction. Electrochemical Energy Reviews, 2021, 4, 194-218. | 25.5 | 65 |
| 32 | Highly selective photocatalytic conversion of methane to liquid oxygenates over silicomolybdic-acid/TiO<sub>2</sub>under mild conditions. Journal of Materials Chemistry A, 2021, 9, 1713-1719. | 10.3 | 33 |
| 33 | 1T/1Tâ€²-dominated WSe<sub>2</sub> with stabilized oxygen dopants for efficient and durable hydrogen evolution. Journal of Materials Chemistry A, 2021, 9, 13490-13495. | 10.3 | 7 |
| 34 | Unprecedentedly high efficiency for photocatalytic conversion of methane to methanol over Auâ€“Pd/TiO<sub>2</sub> â€“ what is the role of each component in the system?. Journal of Materials Chemistry A, 2021, 9, 10796-10802. | 10.3 | 37 |
| 35 | Highly efficient visible-light photocatalytic ethane oxidation into ethyl hydroperoxide as a radical reservoir. Chemical Science, 2021, 12, 5825-5833. | 7.4 | 12 |
| 36 | <scp> CePMo <sub>12</sub> O <sub>40</sub> </scp> / <scp> TiO <sub>2</sub> </scp> catalysts for photocatalytic oxidation of methane to valueâ€added organic oxygenates. International Journal of Energy Research, 2021, 45, 12996-13006. | 4.5 | 3 |

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|---|---|---|---|
| 37 | Confinement Capillarity of Thin Coating for Boosting Solarâ€Driven Water Evaporation. Advanced Functional Materials, 2021, 31, 2011114. | 14.9 | 131 |
| 38 | Progress in protonâ€conducting oxides as electrolytes for lowâ€temperature solid oxide fuel cells: From materials to devices. Energy Science and Engineering, 2021, 9, 984-1011. | 4.0 | 93 |
| 39 | Facile Hydrothermal Synthesis of EABâ€Type Zeolite under Static Synthesis Conditions. Crystal Research and Technology, 2021, 56, 2000163. | 1.3 | 2 |
| 40 | Open the door to the atomic world by single-molecule atomic force microscopy. Matter, 2021, 4, 1189-1223. | 10.0 | 11 |
| 41 | Synthesis of Ni2P/Ni12P5 composite for a highly efficient hydrogen production from formaldehyde solution. Reaction Kinetics, Mechanisms and Catalysis, 2021, 133, 229-243. | 1.7 | 2 |
| 42 | Bimetallic cocatalysts for photocatalytic hydrogen production from water. Chemical Engineering Journal, 2021, 409, 128250. | 12.7 | 52 |
| 43 | Surface-copper-doped WO3 photoanode for photoelectrochemical water splitting. Applied Physics Letters, 2021, 118, 223903. | 3.3 | 3 |
| 44 | 140 years of excellence from the society of chemical industry (SCI) promoting innovation in chemical industries. Energy Science and Engineering, 2021, 9, 920-920. | 4.0 | 0 |
| 45 | A unique black TiO2 created from CO-induced oxidation of defect-rich TiO2. Journal of Physics and Chemistry of Solids, 2021, 154, 110053. | 4.0 | 3 |
| 46 | Distinct Pathways in Visible-Light Driven Thermo-Photo Catalytic Methane Conversion. Journal of Physical Chemistry Letters, 2021, 12, 7459-7465. | 4.6 | 20 |
| 47 | One-Step Chemical Vapor Deposition Synthesis of Hierarchical Ni and N Co-Doped Carbon Nanosheet/Nanotube Hybrids for Efficient Electrochemical CO<sub>2</sub> Reduction at Commercially Viable Current Densities. ACS Catalysis, 2021, 11, 10333-10344. | 11.2 | 32 |
| 48 | Boron-Doped and Carbon-Controlled Porous Si/C Anode for High-Performance Lithium-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 8488-8495. | 5.1 | 19 |
| 49 | Photocatalytic conversion of carbon monoxide: from pollutant removal to fuel production. Applied Catalysis B: Environmental, 2021, 295, 120312. | 20.2 | 22 |
| 50 | Steam reforming of methane: Current states of catalyst design and process upgrading. Renewable and Sustainable Energy Reviews, 2021, 149, 111330. | 16.4 | 120 |
| 51 | Bifunctional electrocatalysts for oxygen reduction and oxygen evolution: a theoretical study on 2D metallic WO<sub>2</sub>-supported single atom (Fe, Co, or Ni) catalysts. Physical Chemistry Chemical Physics, 2021, 23, 13687-13695. | 2.8 | 11 |
| 52 | Metal-free surface-microporous graphene electrocatalysts from CO<sub>2</sub> for rechargeable all-solid-state zincâ€“air batteries. Journal of Materials Chemistry A, 2021, 9, 10081-10087. | 10.3 | 10 |
| 53 | A simple approach making acetylene black electrocatalytically active for flexible rechargeable zincâ€“air batteries. Journal of Materials Chemistry A, 2021, 9, 11145-11150. | 10.3 | 7 |
| 54 | Catalysts for CO<sub>2</sub> reforming of CH<sub>4</sub>: a review. Journal of Materials Chemistry A, 2021, 9, 12495-12520. | 10.3 | 93 |

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|---|---|---|---|
| 55 | 3D Graphene Materials from the Reduction of CO2. Accounts of Materials Research, 2021, 2, 48-58. | 11.7 | 27 |
| 56 | Core-shell structured TiO2 as highly efficient visible light photocatalyst for dye degradation. Catalysis Today, 2020, 341, 90-95. | 4.4 | 51 |
| 57 | In-situ FTIR-DRS investigation on shallow trap state of Cu-doped TiO2 photocatalyst. Catalysis Today, 2020, 341, 21-25. | 4.4 | 12 |
| 58 | Microfactories for Intracellular Locally Generated Hydrogen Therapy: Advanced Materials, Challenges, and Opportunities. ChemPlusChem, 2020, 85, 57-67. | 2.8 | 4 |
| 59 | Visible light photocatalytic degradation of tetracycline over TiO2. Chemical Engineering Journal, 2020, 382, 122842. | 12.7 | 367 |
| 60 | Photocatalytic conversion of ethane: status and perspective. International Journal of Energy Research, 2020, 44, 708-717. | 4.5 | 4 |
| 61 | Progress in low-temperature solid oxide fuel cells with hydrocarbon fuels. Chemical Engineering Journal, 2020, 402, 126235. | 12.7 | 105 |
| 62 | A new concept: Volume photocatalysis for efficient H2 generation ___ Using low polymeric carbon nitride as an example. Applied Catalysis B: Environmental, 2020, 279, 119379. | 20.2 | 104 |
| 63 | S-Vacancy induced indirect-to-direct band gap transition in multilayer MoS<sub>2</sub>. Physical Chemistry Chemical Physics, 2020, 22, 26005-26014. | 2.8 | 18 |
| 64 | Near Infrared Light-Driven Photoelectrocatalytic Water Splitting over P-Doped g-C<sub>3</sub>N<sub>4</sub>. ACS Applied Energy Materials, 2020, 3, 11223-11230. | 5.1 | 29 |
| 65 | Pore-Edge Tailoring of Single-Atom Ironâ€“Nitrogen Sites on Graphene for Enhanced CO<sub>2</sub> Reduction. ACS Catalysis, 2020, 10, 10803-10811. | 11.2 | 140 |
| 66 | g-C<sub>3</sub>N<sub>4</sub>-based photoelectrodes for photoelectrochemical water splitting: a review. Journal of Materials Chemistry A, 2020, 8, 21474-21502. | 10.3 | 111 |
| 67 | 3D Graphene Materials: From Understanding to Design and Synthesis Control. Chemical Reviews, 2020, 120, 10336-10453. | 47.7 | 319 |
| 68 | Efficient Ni(OH)<sub>2</sub>/WO<sub>3</sub> Photoanode for Photoelectrocatalytic Water Splitting at Low Bias. Journal of Physical Chemistry C, 2020, 124, 19447-19456. | 3.1 | 13 |
| 69 | Facile synthesis of Co<sub>2</sub>(OH)<sub>3</sub>Cl/cobalt carbide/reduced graphene oxide composites for enhanced dye-sensitized photocatalytic H<sub>2</sub> evolution. Sustainable Energy and Fuels, 2020, 4, 6181-6187. | 4.9 | 22 |
| 70 | Highly Efficient Nickel, Iron, and Nitrogen Codoped Carbon Catalysts Derived from Industrial Waste Petroleum Coke for Electrochemical CO<sub>2</sub> Reduction. ACS Sustainable Chemistry and Engineering, 2020, 8, 8840-8847. | 6.7 | 26 |
| 71 | The stability of a graphene oxide (GO) nanofiltration (NF) membrane in an aqueous environment: progress and challenges. Materials Advances, 2020, 1, 554-568. | 5.4 | 43 |
| 72 | Highly Efficient Dye-Sensitized Solar Cells with Composited Food Dyes. Industrial & Engineering Chemistry Research, 2020, 59, 10457-10463. | 3.7 | 13 |

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|---|---|---|---|
| 73 | Comment on â€œDry reforming of methane by stable Niâ€“Mo nanocatalysts on single-crystalline MgOâ€• Science, 2020, 368, . | 12.6 | 48 |
| 74 | Synthesis, properties and potential applications of hydrogenated graphene. Chemical Engineering Journal, 2020, 397, 125408. | 12.7 | 33 |
| 75 | Transformation of Fe-B@Fe into Fe-B@Ni for efficient photocatalytic hydrogen evolution. Journal of Colloid and Interface Science, 2020, 578, 273-280. | 9.4 | 41 |
| 76 | Ultra-fast and ultra-long-life Li ion batteries with 3D surface-porous graphene anodes synthesized from CO<sub>2</sub>. Journal of Materials Chemistry A, 2020, 8, 13385-13392. | 10.3 | 23 |
| 77 | Surface-microporous graphene for CO2 adsorption. Catalysis Today, 2020, 356, 514-518. | 4.4 | 42 |
| 78 | Thermo-photo catalytic CO<sub>2</sub> hydrogenation over Ru/TiO<sub>2</sub>. Journal of Materials Chemistry A, 2020, 8, 7390-7394. | 10.3 | 65 |
| 79 | Ultrafast, Lowâ€Cost, and Mass Production of Highâ€Quality Graphene. Angewandte Chemie - International Edition, 2020, 59, 9232-9234. | 13.8 | 33 |
| 80 | Ultraschnelle und kostengÃ¼nstige Produktion von hochwertigem Graphen. Angewandte Chemie, 2020, 132, 9316-9318. | 2.0 | 1 |
| 81 | Controlling the Release of Hydrogen Peroxide from Catechol-Based Adhesives Using Silica Nanoparticles. ACS Biomaterials Science and Engineering, 2020, 6, 4502-4511. | 5.2 | 11 |
| 82 | Highly efficient light-driven methane coupling under ambient conditions based on an integrated design of a photocatalytic system. Green Chemistry, 2020, 22, 4669-4675. | 9.0 | 54 |
| 83 | Photocatalytic hydrogen production over Rh-loaded TiO2: What is the origin of hydrogen and how to achieve hydrogen production from water?. Applied Catalysis B: Environmental, 2020, 278, 119316. | 20.2 | 73 |
| 84 | The nonmetal modulation of composition and morphology of g-C3N4-based photocatalysts. Applied Catalysis B: Environmental, 2020, 269, 118828. | 20.2 | 237 |
| 85 | Ultrahigh-rate lithium-ion batteries with 3D fungus-structured carbon/CuC<sub>2</sub>O<sub>4</sub>Â·xH<sub>2</sub>O electrodes. Journal of Materials Chemistry A, 2020, 8, 3397-3404. | 10.3 | 10 |
| 86 | Electronic structure modulating for supported Rh catalysts toward CO2 methanation. Catalysis Today, 2020, 356, 570-578. | 4.4 | 26 |
| 87 | The special route toward conversion of methane to methanol on a fluffy metalâ€free carbon nitride photocatalyst in the presence of H <sub>2</sub> O <sub>2</sub>. International Journal of Energy Research, 2020, 44, 2740-2753. | 4.5 | 44 |
| 88 | Ni-B coupled with borate-intercalated Ni(OH)2 for efficient and stable electrocatalytic and photocatalytic hydrogen evolution under low alkalinity. Chemical Engineering Journal, 2020, 394, 124928. | 12.7 | 77 |
| 89 | Phosphorus-based metal-free Z-scheme 2D van der Waals heterostructures for visible-light photocatalytic water splitting: a first-principles study. Physical Chemistry Chemical Physics, 2020, 22, 9250-9256. | 2.8 | 19 |
| 90 | Atomically Dispersed Ironâ€“Nitrogen Sites on Hierarchically Mesoporous Carbon Nanotube and Graphene Nanoribbon Networks for CO<sub>2</sub> Reduction. ACS Nano, 2020, 14, 5506-5516. | 14.6 | 125 |

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|---|---|---|---|
| 91 | How Magical Is Magic-Angle Graphene?. Matter, 2020, 2, 1106-1114. | 10.0 | 21 |
| 92 | Kinetic analysis and thermodynamic simulation of alkaliâ€silica reaction in cementitious materials. Journal of the American Ceramic Society, 2019, 102, 1463-1478. | 3.8 | 13 |
| 93 | Special column: solar energy conversion. Frontiers in Energy, 2019, 13, 205-206. | 2.3 | 2 |
| 94 | Mo6S8-based single-metal-atom catalysts for direct methane to methanol conversion. Journal of Chemical Physics, 2019, 151, 024304. | 3.0 | 13 |
| 95 | Recent Advances in Green, Safe, and Fast Production of Graphene Oxide via Electrochemical Approaches. ACS Sustainable Chemistry and Engineering, 2019, 7, 12671-12681. | 6.7 | 29 |
| 96 | Synthesis of Semimetallic Tungsten Trioxide for Infrared Light Photoelectrocatalytic Water Splitting. Journal of Physical Chemistry C, 2019, 123, 25833-25843. | 3.1 | 6 |
| 97 | Thermoâ€“Photo Catalysis for Methanol Synthesis from Syngas. ACS Sustainable Chemistry and Engineering, 2019, 7, 19277-19285. | 6.7 | 27 |
| 98 | Highly Efficient Thin Zinc Air Batteries. Journal of the Electrochemical Society, 2019, 166, A2879-A2886. | 2.9 | 11 |
| 99 | Breakthroughs in Designing Commercial-Level Mass-Loading Graphene Electrodes for Electrochemical Double-Layer Capacitors. Matter, 2019, 1, 596-620. | 10.0 | 79 |
| 100 | Recent progress in visible light photocatalytic conversion of carbon dioxide. Journal of Materials Chemistry A, 2019, 7, 865-887. | 10.3 | 193 |
| 101 | Novel Binder-Free Three-Dimensional MoS<sub>2</sub>-Based Electrode for Efficient and Stable Electrocatalytic Hydrogen Evolution. ACS Applied Energy Materials, 2019, 2, 1102-1110. | 5.1 | 42 |
| 102 | Lithium-Chemical Synthesis of Highly Conductive 3D Mesoporous Graphene for Highly Efficient New Generation Solar Cells. ACS Applied Energy Materials, 2019, 2, 1445-1451. | 5.1 | 11 |
| 103 | Reduction of CO<sub>2</sub>with H<sub>2</sub>S in a simulated deep-sea hydrothermal vent system. Chemical Communications, 2019, 55, 1056-1059. | 4.1 | 35 |
| 104 | Photo-assisted methanol steam reforming on solid solution of Cu-Zn-Ti oxide. Chemical Engineering Journal, 2019, 375, 121909. | 12.7 | 50 |
| 105 | Synthesis, structures and applications of single component core-shell structured TiO2: A review. Chemical Engineering Journal, 2019, 375, 122029. | 12.7 | 64 |
| 106 | Phase role of white TiO2 precursor in its reduction to black TiO2. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 2978-2982. | 2.1 | 14 |
| 107 | One-step synthesis of high surface-area honeycomb graphene clusters for highly efficient capacitive deionization. Journal of Physics and Chemistry of Solids, 2019, 134, 64-68. | 4.0 | 14 |
| 108 | A thermo-photo hybrid process for steam reforming of methane: highly efficient visible light photocatalysis. Chemical Communications, 2019, 55, 7816-7819. | 4.1 | 70 |

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|---|---|---|---|
| 109 | Surface modification of LiNi <sub>0.5</sub> Co <sub>0.2</sub> Mn <sub>0.3</sub> O <sub>2</sub> cathode materials with Li <sub>2</sub> Oâ€B <sub>2</sub> O <sub>3</sub> â€LiBr for lithiumâ€ion batteries. International Journal of Energy Research, 2019, 43, 4644-4651. | 4.5 | 31 |
| 110 | Enhanced Photocatalytic Production of H<sub>2</sub>O<sub>2</sub> by Nafion Coatings on S,N-Codoped Graphene-Quantum-Dots-Modified TiO<sub>2</sub>. Journal of Physical Chemistry C, 2019, 123, 13693-13701. | 3.1 | 48 |
| 111 | Applications of 3D Potassium-Ion Pre-Intercalated Graphene for Perovskite and Dye-Sensitized Solar Cells. Industrial & Engineering Chemistry Research, 2019, 58, 8743-8749. | 3.7 | 12 |
| 112 | Novel WS<sub>2</sub>-Based 3D Electrode with Protecting Scaffold for Efficient and Stable Hydrogen Evolution. Journal of Physical Chemistry C, 2019, 123, 12142-12148. | 3.1 | 15 |
| 113 | Insights into the Thermo-Photo Catalytic Production of Hydrogen from Water on a Low-Cost NiO<sub>x</sub>-Loaded TiO<sub>2</sub> Catalyst. ACS Catalysis, 2019, 9, 5047-5056. | 11.2 | 94 |
| 114 | Advances in catalytic conversion of methane and carbon dioxide to highly valuable products. Energy Science and Engineering, 2019, 7, 4-29. | 4.0 | 110 |
| 115 | Highly selective production of C5-C12 hydrocarbons over efficient Ru/heteropoly-acid catalysts. Fuel, 2019, 244, 395-402. | 6.4 | 9 |
| 116 | One-step synthesis of nickel oxide/nickel carbide/graphene composite for efficient dye-sensitized photocatalytic H2 evolution. Catalysis Today, 2019, 335, 326-332. | 4.4 | 24 |
| 117 | Recent progress in photocatalysts for overall water splitting. International Journal of Energy Research, 2019, 43, 1082-1098. | 4.5 | 72 |
| 118 | 3D Channel-structured graphene as efficient electrodes for capacitive deionization. Journal of Colloid and Interface Science, 2019, 538, 420-425. | 9.4 | 53 |
| 119 | Surface-microporous graphene for high-performance capacitive deionization under ultralow saline concentration. Journal of Physics and Chemistry of Solids, 2019, 125, 135-140. | 4.0 | 22 |
| 120 | Design and Synthesis of 3D Potassium-Ion Pre-Intercalated Graphene for Supercapacitors. Industrial & Engineering Chemistry Research, 2018, 57, 3610-3616. | 3.7 | 18 |
| 121 | In situ loading of Ni2P on Cd0.5Zn0.5S with red phosphorus for enhanced visible light photocatalytic H2 evolution. Applied Surface Science, 2018, 447, 822-828. | 6.1 | 118 |
| 122 | Highly conductive porous Na-embedded carbon nanowalls for high-performance capacitive deionization. Journal of Physics and Chemistry of Solids, 2018, 116, 347-352. | 4.0 | 25 |
| 123 | One-step transformation of highly hydrophobic membranes into superhydrophilic and underwater superoleophobic ones for high-efficiency separation of oil-in-water emulsions. Journal of Materials Chemistry A, 2018, 6, 3391-3396. | 10.3 | 257 |
| 124 | Low Temperature and Controllable Formation of Oxygen Vacancy SrTiO<sub>3â€x</sub> by Loading Pt for Enhanced Photocatalytic Hydrogen Evolution. Energy Technology, 2018, 6, 2166-2171. | 3.8 | 20 |
| 125 | Photocatalytic conversion of CO2 over C3N4-based catalysts. Catalysis Today, 2018, 316, 149-154. | 4.4 | 14 |
| 126 | Fe-B alloy coupled with Fe clusters as an efficient cocatalyst for photocatalytic hydrogen evolution. Chemical Engineering Journal, 2018, 344, 506-513. | 12.7 | 119 |

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|---|---|---|---|
| 127 | Synthesis, stabilization and applications of 2-dimensional 1T metallic MoS<sub>2</sub>. Journal of Materials Chemistry A, 2018, 6, 23932-23977. | 10.3 | 250 |
| 128 | New Chemistry for New Material: Highly Dense Mesoporous Carbon Electrode for Supercapacitors with High Areal Capacitance. ACS Applied Materials & Interfaces, 2018, 10, 33162-33169. | 8.0 | 32 |
| 129 | Porous graphene doped with Fe/N/S and incorporating Fe<sub>3</sub>O<sub>4</sub> nanoparticles for efficient oxygen reduction. Catalysis Science and Technology, 2018, 8, 5325-5333. | 4.1 | 33 |
| 130 | In Situ Photoreduction Synthesis of Fe(0)/Melamine Coreâ€“Shell Submicrocubes for Efficient Photocatalytic H<sub>2</sub> Evolution. ACS Applied Energy Materials, 2018, 1, 2483-2489. | 5.1 | 7 |
| 131 | Tannic acid encountering ovalbumin: a green and mild strategy for superhydrophilic and underwater superoleophobic modification of various hydrophobic membranes for oil/water separation. Journal of Materials Chemistry A, 2018, 6, 13959-13967. | 10.3 | 107 |
| 132 | Highly selective photocatalytic production of H2O2 on sulfur and nitrogen co-doped graphene quantum dots tuned TiO2. Applied Catalysis B: Environmental, 2018, 239, 475-484. | 20.2 | 178 |
| 133 | 2.21 Supercapacitors. , 2018, , 663-695. | | 8 |
| 134 | Synthesis of Mesochannel Carbon Nanowall Material from CO<sub>2</sub> and Its Excellent Performance for Perovskite Solar Cells. Industrial & Engineering Chemistry Research, 2017, 56, 1803-1809. | 3.7 | 22 |
| 135 | Excellent performance of highly conductive porous Na-embedded carbon nanowalls for electric double-layer capacitors with a wide operating temperature range. Journal of Materials Chemistry A, 2017, 5, 9090-9096. | 10.3 | 22 |
| 136 | Template-free synthesis of hollow Ni/reduced graphene oxide composite for efficient H<sub>2</sub> evolution. Journal of Materials Chemistry A, 2017, 5, 13072-13078. | 10.3 | 61 |
| 137 | Investigation on H-containing shallow trap of hydrogenated TiO<sub>2</sub> with in situ Fourier transform infrared diffuse reflection spectroscopy. Nanotechnology, 2017, 28, 304001. | 2.6 | 2 |
| 138 | Efficient and stable photocatalytic hydrogen evolution from alkaline formaldehyde solution over Cd<sub>0.5</sub>Zn<sub>0.5</sub>S solid solution under visible light irradiation. Journal of Photonics for Energy, 2017, 7, 016503. | 1.3 | 4 |
| 139 | Potassium-chemical synthesis of 3D graphene from CO<sub>2</sub> and its excellent performance in HTM-free perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 7749-7752. | 10.3 | 66 |
| 140 | Highly conductive Na-embedded carbon nanowalls for hole-transport-material-free perovskite solar cells without metal electrodes. Journal of Materials Chemistry A, 2017, 5, 24126-24130. | 10.3 | 24 |
| 141 | Direct conversion of CO<sub>2</sub> to meso/macro-porous frameworks of surface-microporous graphene for efficient asymmetrical supercapacitors. Journal of Materials Chemistry A, 2017, 5, 23252-23258. | 10.3 | 27 |
| 142 | 3D graphene from CO2 and K as an excellent counter electrode for dye-sensitized solar cells. International Journal of Energy Research, 2017, 41, 2502-2508. | 4.5 | 11 |
| 143 | Eli Ruckenstein â€“ A Rare Researcher, Teacher, and Mentor par Excellence. Advances in Colloid and Interface Science, 2017, 244, 1-5. | 14.7 | 0 |
| 144 | An Ideal Electrode Material, 3D Surface-Microporous Graphene for Supercapacitors with Ultrahigh Areal Capacitance. ACS Applied Materials & Interfaces, 2017, 9, 24655-24661. | 8.0 | 83 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | KOH-assisted microwave post-treatment of activated carbon for efficient symmetrical double-layer capacitors. International Journal of Energy Research, 2017, 41, 728-735. | 4.5 | 27 |
| 146 | Catalytic role of H<sub>2</sub> O in degradation of inorganic-organic perovskite (CH<sub>3</sub>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 4.5 | 33 |
| 147 | Acetylene adsorption on defected MIL-53. International Journal of Energy Research, 2016, 40, 846-852. | 4.5 | 11 |
| 148 | Mechanically-induced reverse phase transformation of MoS<sub>2</sub>from stable 2H to metastable 1T and its memristive behavior. RSC Advances, 2016, 6, 65691-65697. | 3.6 | 63 |
| 149 | Disordered 3â€‰D Multiâ€layer Graphene Anode Material from CO<sub>2</sub> for Sodiumâ€ion Batteries. ChemSusChem, 2016, 9, 1397-1402. | 6.8 | 23 |
| 150 | Immobilization of PDMS-SiO2-TiO2 composite for the photocatalytic degradation of dye AO-7. Water Science and Technology, 2016, 74, 1680-1688. | 2.5 | 16 |
| 151 | Visible-light-driven hydrogen evolution with polyoxometalate as electron relay. Journal of Photonics for Energy, 2016, 6, 046501. | 1.3 | 4 |
| 152 | Photocatalytic hydrogen evolution and decomposition of glycerol over <scp>C</scp>d<sub>0.5</sub><scp>Z</scp>n<sub>0.5</sub><scp>S</scp> solid solution under visible light irradiation. Environmental Progress and Sustainable Energy, 2016, 35, 141-148. | 2.3 | 19 |
| 153 | Excellent capacitive deionization performance of meso-carbon microbeads. RSC Advances, 2016, 6, 47285-47291. | 3.6 | 10 |
| 154 | MoS<sub>2</sub> as a coâ€catalyst for photocatalytic hydrogen production from water. Energy Science and Engineering, 2016, 4, 285-304. | 4.0 | 205 |
| 155 | The Bright Future for Electrode Materials of Energy Devices: Highly Conductive Porous Na-Embedded Carbon. Nano Letters, 2016, 16, 8029-8033. | 9.1 | 50 |
| 156 | Direct conversion of CO<sub>2</sub> to 3D graphene and its excellent performance for dye-sensitized solar cells with 10% efficiency. Journal of Materials Chemistry A, 2016, 4, 12054-12057. | 10.3 | 55 |
| 157 | An efficient counter electrode material for dye-sensitized solar cellsâ€"flower-structured 1T metallic phase MoS<sub>2</sub>. Journal of Materials Chemistry A, 2016, 4, 12398-12401. | 10.3 | 127 |
| 158 | Making ultrafine and highly-dispersive multimetallic nanoparticles in three-dimensional graphene with supercritical fluid as excellent electrocatalyst for oxygen reduction reaction. Journal of Materials Chemistry A, 2016, 4, 18628-18638. | 10.3 | 29 |
| 159 | Facile Synthesis of Graphene Sponge from Graphene Oxide for Efficient Dye-Sensitized H<sub>2</sub> Evolution. ACS Applied Materials & Interfaces, 2016, 8, 15187-15195. | 8.0 | 91 |
| 160 | Tuning shape of three dimensional graphene sheets. Catalysis Today, 2016, 274, 99-102. | 4.4 | 8 |
| 161 | Memristive Behavior and Ideal Memristor of 1T Phase MoS<sub>2</sub> Nanosheets. Nano Letters, 2016, 16, 572-576. | 9.1 | 317 |
| 162 | Efficient Visible Light Photocatalytic CO<sub>2</sub> Reforming of CH<sub>4</sub>. ACS Catalysis, 2016, 6, 494-497. | 11.2 | 238 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Surface defection reduces cytotoxicity of Zn(2-methylimidazole)<sub>2</sub> (ZIF-8) without compromising its drug delivery capacity. RSC Advances, 2016, 6, 4128-4135. | 3.6 | 68 |
| 164 | Catalytic behavior of graphene oxide for cement hydration process. Journal of Physics and Chemistry of Solids, 2016, 89, 128-133. | 4.0 | 173 |
| 165 | Co-effects of graphene oxide sheets and single wall carbon nanotubes on mechanical properties of cement. Journal of Physics and Chemistry of Solids, 2015, 85, 39-43. | 4.0 | 80 |
| 166 | Metalâ€Catalystâ€Free Carbohydrazide Fuel Cells with Threeâ€Dimensional Graphene Anodes. ChemSusChem, 2015, 8, 1147-1150. | 6.8 | 27 |
| 167 | Electro-catalytic role of insulator/conductor interface in MgO/PEDOT composite electrodes for dye-sensitized solar cells. Science China Chemistry, 2015, 58, 101-106. | 8.2 | 5 |
| 168 | Novel design for the odd-symmetric memristor from asymmetric switches. Journal of Materials Chemistry C, 2015, 3, 2768-2772. | 5.5 | 6 |
| 169 | Higher Chemical Stability of Î±-Li3N than Î²-Li3N in Atmosphere. Topics in Catalysis, 2015, 58, 386-390. | 2.8 | 2 |
| 170 | Highly Efficient Temperature-Induced Visible Light Photocatalytic Hydrogen Production from Water. Journal of Physical Chemistry C, 2015, 119, 18927-18934. | 3.1 | 107 |
| 171 | Synergetic effect of metal nickel and graphene as a cocatalyst for enhanced photocatalytic hydrogen evolution via dye sensitization. Scientific Reports, 2015, 5, 10589. | 3.3 | 75 |
| 172 | Synthesis of carbon nanomaterials for dye-sensitized solar cells. International Journal of Energy Research, 2015, 39, 842-850. | 4.5 | 19 |
| 173 | 3D flower-structured graphene from CO<sub>2</sub>for supercapacitors with ultrahigh areal capacitance at high current density. Journal of Materials Chemistry A, 2015, 3, 10183-10187. | 10.3 | 88 |
| 174 | Highly efficient polyoxometalate-based catalysts for clean-gasoline synthesis. Journal of Materials Chemistry A, 2015, 3, 21424-21427. | 10.3 | 9 |
| 175 | Photocatalytic hydrogen evolution over Erythrosin B-sensitized graphitic carbon nitride with in situ grown molybdenum sulfide cocatalyst. International Journal of Hydrogen Energy, 2015, 40, 353-362. | 7.1 | 113 |
| 176 | Enhancement of photocatalytic H<sub>2</sub> evolution of eosin Y-sensitized reduced graphene oxide through a simple photoreaction. Beilstein Journal of Nanotechnology, 2014, 5, 801-811. | 2.8 | 36 |
| 177 | NiO as an Efficient Counter Electrode Catalyst for Dye-Sensitized Solar Cells. Topics in Catalysis, 2014, 57, 607-611. | 2.8 | 65 |
| 178 | Novel Mesoâ€Superstructured Solar Cells with a High Efficiency Exceeding 12%. Advanced Materials, 2014, 26, 2102-2104. | 21.0 | 31 |
| 179 | A review on PEDOT-based counter electrodes for dye-sensitized solar cells. International Journal of Energy Research, 2014, 38, 1099-1111. | 4.5 | 135 |
| 180 | The First Magneticâ€Nanoparticleâ€Free Carbonâ€Based Contrast Agent of Magneticâ€Resonance Imagingâ€Fluorinated Graphene Oxide. Small, 2014, 10, 1451-1452. | 10.0 | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Synthesis of 3D cauliflower-fungus-like graphene from CO<sub>2</sub>as a highly efficient counter electrode material for dye-sensitized solar cells. Journal of Materials Chemistry A, 2014, 2, 16842-16846. | 10.3 | 80 |
| 182 | H<sub>2</sub>O-Functionalized Zeolitic Zn(2-methylimidazole)<sub>2</sub> Framework (ZIF-8) for H<sub>2</sub> Storage. Journal of Physical Chemistry C, 2014, 118, 21866-21872. | 3.1 | 62 |
| 183 | Tunable Photodeposition of MoS<sub>2</sub> onto a Composite of Reduced Graphene Oxide and CdS for Synergic Photocatalytic Hydrogen Generation. Journal of Physical Chemistry C, 2014, 118, 19842-19848. | 3.1 | 199 |
| 184 | Enhanced photocatalytic hydrogen evolution under visible light irradiation over Cd0.5Zn0.5S solid solution by magnesium-doping. Reaction Kinetics, Mechanisms and Catalysis, 2013, 110, 259-270. | 1.7 | 6 |
| 185 | 3D Honeycombâ€Like Structured Graphene and Its High Efficiency as a Counterâ€Electrode Catalyst for Dyeâ€Sensitized Solar Cells. Angewandte Chemie - International Edition, 2013, 52, 9210-9214. | 13.8 | 340 |
| 186 | Modification of TiO2 with sulfate and phosphate for enhanced eosin Y-sensitized hydrogen evolution under visible light illumination. Photochemical and Photobiological Sciences, 2013, 12, 1903-1910. | 2.9 | 42 |
| 187 | Unusual particle-size-induced promoter-to-poison transition of ZrN in counter electrodes for dye-sensitized solar cells. Journal of Materials Chemistry A, 2013, 1, 14350. | 10.3 | 70 |
| 188 | Electrolyte-induced precipitation of graphene oxide in its aqueous solution. Journal of Colloid and Interface Science, 2013, 391, 21-27. | 9.4 | 53 |
| 189 | Efficient ZnO-based counter electrodes for dye-sensitized solar cells. Journal of Materials Chemistry A, 2013, 1, 6622. | 10.3 | 90 |
| 190 | Eosin Y-sensitized graphitic carbon nitride fabricated by heating urea for visible light photocatalytic hydrogen evolution: the effect of the pyrolysis temperature of urea. Physical Chemistry Chemical Physics, 2013, 15, 7657. | 2.8 | 332 |
| 191 | Novel hydrogen storage systems and materials. International Journal of Energy Research, 2013, 37, 683-685. | 4.5 | 19 |
| 192 | A Highly Efficient Photocatalystâ€"Hydrogenated Black TiO<sub>2</sub> for the Photocatalytic Splitting of Water. Angewandte Chemie - International Edition, 2012, 51, 12410-12412. | 13.8 | 382 |
| 193 | NaCl-assisted low temperature synthesis of layered Zn-In-S photocatalyst with high visible-light activity for hydrogen evolution. RSC Advances, 2012, 2, 3458. | 3.6 | 38 |
| 194 | Oxygen-deficiency-induced 6H-polymorph of hexagonal perovskite Ba4YMn3O11.5â^Î´: synthesis, structure and properties. Journal of Materials Chemistry, 2012, 22, 8103. | 6.7 | 10 |
| 195 | Phosphate-assisted hydrothermal synthesis of hexagonal CdS for efficient photocatalytic hydrogen evolution. CrystEngComm, 2012, 14, 6974. | 2.6 | 84 |
| 196 | Photocatalytic hydrogen evolution under visible light irradiation by the polyoxometalate Î±-[AlSiW11(H2O)O39]5â^' -Eosin Y system. International Journal of Hydrogen Energy, 2012, 37, 12150-12157. | 7.1 | 49 |
| 197 | Temperature-Induced Irreversible Change of ZnO Optical Energy Gap. Industrial & Engineering Chemistry Research, 2012, 51, 1083-1085. | 3.7 | 6 |
| 198 | Enhanced photocatalytic hydrogen evolution under visible light over Cd x Zn1â^'x S solid solution by ruthenium doping. Reaction Kinetics, Mechanisms and Catalysis, 2012, 107, 105-113. | 1.7 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Promoting Effect of Graphene on Dye-Sensitized Solar Cells. Industrial & Engineering Chemistry Research, 2012, 51, 10613-10620. | 3.7 | 97 |
| 200 | Graphene as a counter electrode material for dye-sensitized solar cells. Energy and Environmental Science, 2012, 5, 8182. | 30.8 | 380 |
| 201 | Study of NiOâ^'CoO and Co<sub>3</sub>O<sub>4</sub>â^'Ni<sub>3</sub>O<sub>4</sub> Solid Solutions in Multiphase Niâ^'Coâ^'O Systems. Industrial & Engineering Chemistry Research, 2011, 50, 2015-2020. | 3.7 | 78 |
| 202 | Effect of Oxygen Content on Structures of Graphite Oxides. Industrial & Engineering Chemistry Research, 2011, 50, 6132-6137. | 3.7 | 119 |
| 203 | Composition, morphology and photocatalytic activity of Zn-In-S composite synthesized by a NaCl-assisted hydrothermal method. CrystEngComm, 2011, 13, 4770. | 2.6 | 32 |
| 204 | Bending Effect of sp-Hybridized Carbon (Carbyne) Chains on Their Structures and Properties. Journal of Physical Chemistry C, 2011, 115, 1843-1850. | 3.1 | 51 |
| 205 | Fast and Exothermic Reaction of CO2and Li3N into Câ€"N-Containing Solid Materials. Journal of Physical Chemistry A, 2011, 115, 11678-11681. | 2.5 | 23 |
| 206 | Thinnest Twoâ€Đimensional Nanomaterialâ€"Graphene for Solar Energy. ChemSusChem, 2010, 3, 782-796. | 6.8 | 205 |
| 207 | Hydrogen Storage in Metalâ€"Organic Frameworks. Advanced Materials, 2010, 22, E117-30. | 21.0 | 349 |
| 208 | Nitrogen-doped TiO2 modified with NH4F for efficient photocatalytic degradation of formaldehyde under blue light-emitting diodes. Journal of Hazardous Materials, 2010, 182, 90-96. | 12.4 | 87 |
| 209 | Photocatalytic hydrogen generation in the presence of glucose over ZnS-coated ZnIn2S4 under visible light irradiation. International Journal of Hydrogen Energy, 2010, 35, 7116-7126. | 7.1 | 175 |
| 210 | Advances in Catalysts for CO<sub>2</sub>Reforming of Methane. ACS Symposium Series, 2010, , 155-174. | 0.5 | 10 |
| 211 | Photocatalytic hydrogen generation using glycerol wastewater over Pt/TiO2. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2009, 4, 32-38. | 0.4 | 51 |
| 212 | Formation of multilayer-Eosin Y-sensitized TiO2 via Fe3+ coupling for efficient visible-light photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2009, 34, 5629-5636. | 7.1 | 111 |
| 213 | Solid-solution catalysts for CO2 reforming of methane. Catalysis Today, 2009, 148, 206-211. | 4.4 | 171 |
| 214 | Synthesis of CdS Nanorods by an Ethylenediamine Assisted Hydrothermal Method for Photocatalytic Hydrogen Evolution. Journal of Physical Chemistry C, 2009, 113, 9352-9358. | 3.1 | 296 |
| 215 | Preparation of SiO2-Pt-CdS composite photocatalyst and its photocatalytic activity for hydrogen evolution under visible light. Reaction Kinetics and Catalysis Letters, 2008, 95, 185-192. | 0.6 | 13 |
| 216 | Effect of doping TiO2 with alkaline-earth metal ions on its photocatalytic activity. Journal of the Serbian Chemical Society, 2007, 72, 393-402. | 0.8 | 98 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | Steam-Reforming Product (H<sub>2</sub>/CO<sub>2</sub>Mixture) Used as a Hydrogen Source for Hydrogen Storage in Li<sub>3</sub>N. Industrial & Engineering Chemistry Research, 2007, 46, 5940-5942. | 3.7 | 7 |
| 218 | 5.1% Apparent quantum efficiency for stable hydrogen generation over eosin-sensitized CuO/TiO2 photocatalyst under visible light irradiation. Catalysis Communications, 2007, 8, 1267-1273. | 3.3 | 361 |
| 219 | Photocatalytic hydrogen generation in the presence of chloroacetic acids over Pt/TiO2. Chemosphere, 2006, 63, 1312-1318. | 8.2 | 139 |
| 220 | Clathrate Hydrogen Hydrateâ€"A Promising Material for Hydrogen Storage. Angewandte Chemie - International Edition, 2006, 45, 2011-2013. | 13.8 | 108 |
| 221 | Endohedral Chemistry of C60-Based Fullerene Cages. Journal of the American Chemical Society, 2005, 127, 11277-11282. | 13.7 | 88 |
| 222 | Density functional theory calculations for endohedral complexes of non-Ï€C60H60 cage with small guest molecules. Journal of Chemical Physics, 2005, 123, 144303. | 3.0 | 14 |
| 223 | Bond order bond polarizability model for fullerene cages and nanotubes. Journal of Chemical Physics, 2005, 123, 214708. | 3.0 | 10 |
| 224 | High Reversible Hydrogen Capacity of LiNH2/Li3N Mixtures. Industrial & Engineering Chemistry Research, 2005, 44, 1510-1513. | 3.7 | 32 |
| 225 | Quantum chemical density-functional theory calculations of the structures of defect C60 with four vacancies. Journal of Chemical Physics, 2004, 120, 7971-7975. | 3.0 | 17 |
| 226 | Catalytic Conversion of Methane to Synthesis Gas by Partial Oxidation and CO2 Reforming. ChemInform, 2004, 35, no. | 0.0 | 19 |
| 227 | Pore Size Distribution of Single-Walled Carbon Nanotubes. Industrial & Engineering Chemistry Research, 2004, 43, 708-711. | 3.7 | 35 |
| 228 | Catalytic Conversion of Methane to Synthesis Gas by Partial Oxidation and CO2 Reforming. Advances in Catalysis, 2004, 48, 297-345. | 0.2 | 272 |
| 229 | H2Storage in Li3N. Temperature-Programmed Hydrogenation and Dehydrogenation. Industrial & Engineering Chemistry Research, 2003, 42, 5135-5139. | 3.7 | 100 |
| 230 | Multiple Transient Response Methods To Identify Mechanisms of Heterogeneous Catalytic Reactions. Accounts of Chemical Research, 2003, 36, 791-797. | 15.6 | 15 |
| 231 | Ab initio quantum chemical calculations for fullerene cages with large holes. Journal of Chemical Physics, 2003, 119, 10073-10080. | 3.0 | 54 |
| 232 | BINARY MgO-BASED SOLID SOLUTION CATALYSTS FOR METHANE CONVERSION TO SYNGAS. Catalysis Reviews - Science and Engineering, 2002, 44, 423-453. | 12.9 | 304 |
| 233 | High-Resolution Transmission Electron Microscopy Study of Carbon Deposited on the NiO/MgO Solid Solution Catalysts. Journal of Catalysis, 1999, 184, 298-302. | 6.2 | 56 |
| 234 | Isotopic study of the reaction of methane with the lattice oxygen of a NiO/MgO solid solution. Catalysis Letters, 1999, 57, 167-169. | 2.6 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | Rebuttal to Comments on â€œCatalyst Temperature Oscillations during Partial Oxidation of Methaneâ€. Industrial & Engineering Chemistry Research, 1999, 38, 1742-1742. | 3.7 | 11 |
| 236 | Role of lattice oxygen during CO2 reforming of methane over NiO/MgO solid solutions. Catalysis Letters, 1998, 51, 183-185. | 2.6 | 41 |
| 237 | Combination of CO2Reforming and Partial Oxidation of Methane over NiO/MgO Solid Solution Catalysts. Industrial & Engineering Chemistry Research, 1998, 37, 1744-1747. | 3.7 | 97 |
| 238 | CH4TPR-MS of NiO/MgO Solid Solution Catalysts. Langmuir, 1997, 13, 2055-2058. | 3.5 | 35 |
| 239 | Transient Response Analysis via a Broadened Pulse Combined with a Step Change or an Isotopic Pulse. Application to CO2Reforming of Methane over NiO/SiO2. Journal of Physical Chemistry B, 1997, 101, 7563-7565. | 2.6 | 29 |
| 240 | The effect of precursor and preparation conditions of MgO on the CO2 reforming of CH4 over NiO/MgO catalysts. Applied Catalysis A: General, 1997, 154, 185-205. | 4.3 | 90 |
| 241 | Role of Support in CO2Reforming of CH4to Syngas over Ni Catalysts. Journal of Catalysis, 1996, 162, 230-238. | 6.2 | 138 |
| 242 | Carbon dioxide reforming of methane over nickel/alkaline earth metal oxide catalysts. Applied Catalysis A: General, 1995, 133, 149-161. | 4.3 | 316 |
| 243 | 3D MoS2/Graphene hybrid layer materials as counter electrodes for dye-sensitized solar cells. Catalysis, 0, , 268-280. | 1.0 | 10 |