# Yang-sen Xu

List of Publications by Year
in descending order

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|---|---|---|---|
| 41 papers | 2,123 citations | 331670 21 h-index | 302126 39 g-index |
| 43 all docs | 43 docs citations | 43 times ranked | 2254 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Pyrimidine donor induced built-in electric field between melon chains in crystalline carbon nitride to facilitate excitons dissociation. Chinese Chemical Letters, 2023, 34, 107383. | 9.0 | 6 |
| 2 | Semi-heterogeneous photo-Cu-dual-catalytic cross-coupling reactions using polymeric carbon nitrides. Science Bulletin, 2022, 67, 71-78. | 9.0 | 31 |
| 3 | Engineering carbon nitride with cyanide groups for efficient photocatalytic alcohol oxidation and H2O2 production-Utilization of photogenerated electrons and holes. Applied Surface Science, 2022, 573, 151506. | 6.1 | 10 |
| 4 | In-Plane Charge Transport Dominates the Overall Charge Separation and Photocatalytic Activity in Crystalline Carbon Nitride. ACS Catalysis, 2022, 12, 4648-4658. | 11.2 | 69 |
| 5 | Breaking the Limitation of Elevated Coulomb Interaction in Crystalline Carbon Nitride for Visible and Nearâ€Infrared Light Photoactivity. Advanced Science, 2022, 9, . | 11.2 | 22 |
| 6 | Cyanamide-defect-induced built-in electric field in crystalline carbon nitride for enhanced visible to near-infrared light photocatalytic activity. Inorganic Chemistry Frontiers, 2022, 9, 4320-4328. | 6.0 | 14 |
| 7 | Engineering biocompatible TeSex nano-alloys as a versatile theranostic nanoplatform. National Science Review, 2021, 8, . | 9.5 | 10 |
| 8 | Harnessing Photoexcited Redox Centers of Semiconductor Photocatalysts for Advanced Synthetic Chemistry. Solar Rrl, 2021, 5, 2000444. | 5.8 | 11 |
| 9 | Oxygen-doped crystalline carbon nitride with greatly extended visible-light-responsive range for photocatalytic H2 generation. Applied Catalysis B: Environmental, 2021, 283, 119636. | 20.2 | 111 |
| 10 | Photocatalytic Waterâ€Splitting Coupled with Alkanol Oxidation for Selective N â€alkylation Reactions over Carbon Nitride. ChemSusChem, 2021, 14, 582-589. | 6.8 | 11 |
| 11 | Atomically Dispersed Feâ€“Heteroatom (N, S) Bridge Sites Anchored on Carbon Nanosheets for Promoting Oxygen Reduction Reaction. ACS Energy Letters, 2021, 6, 379-386. | 17.4 | 167 |
| 12 | Harnessing Photoexcited Redox Centers of Semiconductor Photocatalysts for Advanced Synthetic Chemistry. Solar Rrl, 2021, 5, 2170024. | 5.8 | 2 |
| 13 | Promoting near-infrared photocatalytic activity of carbon-doped carbon nitride via solid alkali activation. Chinese Chemical Letters, 2021, 32, 3463-3468. | 9.0 | 21 |
| 14 | Construction of K<sup>+</sup> Ion Gradient in Crystalline Carbon Nitride to Accelerate Exciton Dissociation and Charge Separation for Visible Light H<sub>2</sub> Production. ACS Catalysis, 2021, 11, 6995-7005. | 11.2 | 100 |
| 15 | Photoredoxâ€Catalyzed Simultaneous Olefin Hydrogenation and Alcohol Oxidation over Crystalline Porous Polymeric Carbon Nitride. ChemSusChem, 2021, 14, 3344-3350. | 6.8 | 16 |
| 16 | Homogeneous Carbon/Potassiumâ€Incorporation Strategy for Synthesizing Red Polymeric Carbon Nitride Capable of Nearâ€Infrared Photocatalytic H<sub>2</sub> Production. Advanced Materials, 2021, 33, e2101455. | 21.0 | 144 |
| 17 | Donor Bandgap Engineering without Sacrificing the Reduction Ability of Photogenerated Electrons in Crystalline Carbon Nitride. ChemSusChem, 2021, 14, 4516-4524. | 6.8 | 12 |
| 18 | Degradation and mechanism of microcystin-LR by PbCrO4 nanorods driven by visible light. Chemosphere, 2020, 239, 124739. | 8.2 | 19 |

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|---|---|---|---|
| 19 | Construction of Defective Zincâ€“Cadmiumâ€“Sulfur Nanorods for Visibleâ€Lightâ€Driven Hydrogen Evolution Without the Use of Sacrificial Agents or Cocatalysts. ChemSusChem, 2020, 13, 756-762. | 6.8 | 11 |
| 20 | K+-induced crystallization of polymeric carbon nitride to boost its photocatalytic activity for H2 evolution and hydrogenation of alkenes. Applied Catalysis B: Environmental, 2020, 268, 118457. | 20.2 | 67 |
| 21 | Semiconductor photocatalysis to engineering deuterated N-alkyl pharmaceuticals enabled by synergistic activation of water and alkanols. Nature Communications, 2020, 11, 4722. | 12.8 | 41 |
| 22 | A visible-light-photocatalytic water-splitting strategy for sustainable hydrogenation/deuteration of aryl chlorides. Science China Chemistry, 2020, 63, 386-392. | 8.2 | 29 |
| 23 | Photocatalysis: Highly Crystalline Kâ€Intercalated Polymeric Carbon Nitride for Visibleâ€Light Photocatalytic Alkenes and Alkynes Deuterations (Adv. Sci. 1/2019). Advanced Science, 2019, 6, 1970002. | 11.2 | 0 |
| 24 | Solid salt confinement effect: An effective strategy to fabricate high crystalline polymer carbon nitride for enhanced photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2019, 246, 349-355. | 20.2 | 136 |
| 25 | Visibleâ€Lightâ€Driven Photocatalytic Hydrogenation of Olefins Using Water as the H Source. ChemCatChem, 2019, 11, 2596-2599. | 3.7 | 28 |
| 26 | Stable, carrier separation tailorable conjugated microporous polymers as a platform for highly efficient photocatalytic H2 evolution. Applied Catalysis B: Environmental, 2019, 245, 114-121. | 20.2 | 58 |
| 27 | Highly Crystalline Kâ€Intercalated Polymeric Carbon Nitride for Visibleâ€Light Photocatalytic Alkenes and Alkynes Deuterations. Advanced Science, 2019, 6, 1801403. | 11.2 | 67 |
| 28 | Insight into the Catalytic Behavior in Nitroarenes Reduction over Nonâ€Noble Metals Modified Polymer Carbon Nitride. ChemistrySelect, 2019, 4, 190-195. | 1.5 | 4 |
| 29 | PbCrO4 yellow-pigment nanorods: An efficient and stable visible-light-active photocatalyst for O2 evolution and photodegradation. Science China Materials, 2018, 61, 1033-1039. | 6.3 | 9 |
| 30 | Fluorescein supramolecular nanosheets: A novel organic photocatalyst for visible-light-driven H2 evolution from water. Science China Materials, 2018, 61, 1001-1006. | 6.3 | 13 |
| 31 | Frontispiz: Graphene-Oxide-Catalyzed Direct CHâ''CH-Type Cross-Coupling: The Intrinsic Catalytic Activities of Zigzag Edges. Angewandte Chemie, 2018, 130, . | 2.0 | 0 |
| 32 | Engineering the Electronic Structure of MoS<sub>2</sub> Nanorods by N and Mn Dopants for Ultra-Efficient Hydrogen Production. ACS Catalysis, 2018, 8, 7585-7592. | 11.2 | 180 |
| 33 | Grapheneâ€Oxideâ€Catalyzed Direct CHâ''CHâ€Type Crossâ€Coupling: The Intrinsic Catalytic Activities of Zigzag Edges. Angewandte Chemie - International Edition, 2018, 57, 10848-10853. | 13.8 | 63 |
| 34 | Frontispiece: Graphene-Oxide-Catalyzed Direct CHâ''CH-Type Cross-Coupling: The Intrinsic Catalytic Activities of Zigzag Edges. Angewandte Chemie - International Edition, 2018, 57, . | 13.8 | 0 |
| 35 | Grapheneâ€Oxideâ€Catalyzed Direct CHâ''CHâ€Type Crossâ€Coupling: The Intrinsic Catalytic Activities of Zigzag Edges. Angewandte Chemie, 2018, 130, 11014-11019. | 2.0 | 11 |
| 36 | Precursor-directed synthesis of well-faceted brookite TiO2 single crystals for efficient photocatalytic performances. Journal of Materials Chemistry A, 2015, 3, 22361-22368. | 10.3 | 27 |

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|---|---|---|---|
| 37 | Inlay of Bi2O2CO3 nanoparticles onto Bi2WO6 nanosheets to build heterostructured photocatalysts. Dalton Transactions, 2014, 43, 3660. | 3.3 | 38 |
| 38 | Morphology-controlled synthesis of Ag3PO4 microcrystals for high performance photocatalysis. CrystEngComm, 2013, 15, 5407. | 2.6 | 41 |
| 39 | Monodispersed Ag<sub>3</sub>PO<sub>4</sub>nanocrystals loaded on the surface of spherical Bi<sub>2</sub>MoO<sub>6</sub>with enhanced photocatalytic performance. Dalton Transactions, 2013, 42, 1094-1101. | 3.3 | 256 |
| 40 | Anion exchange strategy for construction of sesame-biscuit-like Bi2O2CO3/Bi2MoO6 nanocomposites with enhanced photocatalytic activity. Applied Catalysis B: Environmental, 2013, 140-141, 306-316. | 20.2 | 147 |
| 41 | Ag/AgBrâ€Grafted Graphiteâ€like Carbon Nitride with Enhanced Plasmonic Photocatalytic Activity under Visible Light. ChemCatChem, 2013, 5, 2343-2351. | 3.7 | 119 |