# Yurui Xue

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7077145/publications.pdf

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| 74 | 6,786 | 108046 | 81351 |
|---|---|---|---|
| papers | citations | 37 h-index | 76 g-index |

| 77 | 77 | 77 | 6235 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Controlled Growth Interface of Charge Transfer Salts of Nickel-7,7,8,8-Tetracyanoquinodimethane on Surface of Graphdiyne. CCS Chemistry, 2023, 5, 971-981. | 4.6 | 47 |
| 2 | High-loading metal atoms on graphdiyne for efficient nitrogen fixation to ammonia. Journal of Materials Chemistry A, 2022, 10, 6073-6077. | 5.2 | 18 |
| 3 | Graphdiyneâ€Induced Iron Vacancy for Efficient Nitrogen Conversion. Advanced Science, 2022, 9, e2102721. | 5.6 | 28 |
| 4 | Stabilizing Interface pH by Nâ€Modified Graphdiyne for Dendriteâ€Free and Highâ€Rate Aqueous Znâ€Ion Batteries. Angewandte Chemie, 2022, 134, . | 1.6 | 24 |
| 5 | Stabilizing Interface pH by Nâ€Modified Graphdiyne for Dendriteâ€Free and Highâ€Rate Aqueous Znâ€Ion Batteries. Angewandte Chemie - International Edition, 2022, 61, . | 7.2 | 124 |
| 6 | 1D Nanowire Heterojunction Electrocatalysts of MnCo<sub>2</sub>O<sub>4</sub>/GDY for Efficient Overall Water Splitting. Advanced Functional Materials, 2022, 32, . | 7.8 | 48 |
| 7 | Highly Dispersed Platinum Chlorine Atoms Anchored on Gold Quantum Dots for a Highly Efficient Electrocatalyst. Journal of the American Chemical Society, 2022, 144, 1921-1928. | 6.6 | 88 |
| 8 | Electronic structure modulation of metal-free graphdiyne for acidic oxygen evolution reaction. 2D Materials, 2022, 9, 014008. | 2.0 | 3 |
| 9 | Selectively Growing a Highly Active Interface of Mixed Nbâ€“Rh Oxide/2D Carbon for Electrocatalytic Hydrogen Production. Advanced Science, 2022, 9, e2104706. | 5.6 | 15 |
| 10 | Atomic alloys of nickel-platinum on carbon network for methanol oxidation. Nano Energy, 2022, 95, 106984. | 8.2 | 31 |
| 11 | Controlled Growth of Donorâ€“Bridgeâ€“Acceptor Interface for Highâ€Performance Ammonia Production. Small, 2022, 18, e2107136. | 5.2 | 11 |
| 12 | Controlled Growth of Singleâ€Crystal Pd Quantum Dots on 2D Carbon for Large Current Density Hydrogen Evolution. Advanced Functional Materials, 2022, 32, . | 7.8 | 19 |
| 13 | 2D graphdiyne: an emerging carbon material. Chemical Society Reviews, 2022, 51, 2681-2709. | 18.7 | 225 |
| 14 | Conversion of Interfacial Chemical Bonds for Inducing Efficient Photoelectrocatalytic Water Splitting. ACS Materials Au, 2022, 2, 321-329. | 2.6 | 4 |
| 15 | Highly Loaded Independent Pt<sup>0</sup> Atoms on Graphdiyne for pHâ€General Methanol Oxidation Reaction. Advanced Science, 2022, 9, e2104991. | 5.6 | 26 |
| 16 | Highly selective and durable of monodispersed metal atoms in ammonia production. Nano Today, 2022, 43, 101431. | 6.2 | 27 |
| 17 | Loading Nickel Atoms on GDY for Efficient CO2 Fixation and Conversion. Chemical Research in Chinese Universities, 2022, 38, 92-98. | 1.3 | 8 |
| 18 | Bismuth/Graphdiyne Heterostructure for Electrocatalytic Conversion of CO2 to Formate. Chemical Research in Chinese Universities, 2022, 38, 1380-1386. | 1.3 | 6 |

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|---|---|---|---|
| 19 | Controlled Growth of the Interface of CdWO<sub>x</sub>/GDY for Hydrogen Energy Conversion. Advanced Functional Materials, 2022, 32, . | 7.8 | 21 |
| 20 | A new carbon allotrope: graphdiyne. Trends in Chemistry, 2022, 4, 754-768. | 4.4 | 35 |
| 21 | Graphdiyne@Janus Magnetite for Photocatalytic Nitrogen Fixation. Angewandte Chemie, 2021, 133, 3207-3211. | 1.6 | 46 |
| 22 | Graphdiyne@Janus Magnetite for Photocatalytic Nitrogen Fixation. Angewandte Chemie - International Edition, 2021, 60, 3170-3174. | 7.2 | 174 |
| 23 | Graphdiyne-based metal atomic catalysts for synthesizing ammonia. National Science Review, 2021, 8, nwaa213. | 4.6 | 110 |
| 24 | Graphdiyne@NiO<sub>x</sub>(OH)<sub>y</sub> heterostructure for efficient overall water splitting. Materials Chemistry Frontiers, 2021, 5, 5305-5311. | 3.2 | 13 |
| 25 | Acetylenic bond-driven efficient hydrogen production of a graphdiyne based catalyst. Materials Chemistry Frontiers, 2021, 5, 2247-2254. | 3.2 | 21 |
| 26 | Controllable growth of graphdiyne layered nanosheets for high-performance water oxidation. Materials Chemistry Frontiers, 2021, 5, 4153-4159. | 3.2 | 19 |
| 27 | Graphdiyne Ultrathin Nanosheets for Efficient Water Splitting. Advanced Functional Materials, 2021, 31, 2010112. | 7.8 | 35 |
| 28 | Metal-free amino-graphdiyne for applications in electrocatalytic hydrogen evolution. Journal of Catalysis, 2021, 395, 129-135. | 3.1 | 22 |
| 29 | Efficient Hydrogen Evolution on Nanoscale Graphdiyne. Small, 2021, 17, e2006136. | 5.2 | 36 |
| 30 | Photoinduced Electrocatalysis on 3D Flexible OsO<sub>x</sub> Quantum Dots. Advanced Energy Materials, 2021, 11, 2100234. | 10.2 | 50 |
| 31 | Hydrogen Evolution Reaction: Photoinduced Electrocatalysis on 3D Flexible OsO<sub>x</sub> Quantum Dots (Adv. Energy Mater. 18/2021). Advanced Energy Materials, 2021, 11, 2170071. | 10.2 | 1 |
| 32 | Acidic Water Oxidation on Quantum Dots of IrO<sub>x</sub>/Graphdiyne. Advanced Energy Materials, 2021, 11, 2101138. | 10.2 | 54 |
| 33 | Selective Conversion of CO<sub>2</sub> into Cyclic Carbonate on Atom Level Catalysts. ACS Materials Au, 2021, 1, 107-115. | 2.6 | 15 |
| 34 | A metal-free graphdiyne material for highly efficient oxidation of benzene to phenol. 2D Materials, 2021, 8, 044004. | 2.0 | 4 |
| 35 | Nitrogen-doped graphdiyne for effective metal deposition and heterogeneous Suzuki-Miyaura coupling catalysis. Applied Catalysis A: General, 2021, 623, 118244. | 2.2 | 11 |
| 36 | Bimetallic Mixed Clusters Highly Loaded on Porous 2D Graphdiyne for Hydrogen Energy Conversion. Advanced Science, 2021, 8, e2102777. | 5.6 | 27 |

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|---|---|---|---|
| 37 | Graphdiyne/CdSe quantum dot heterostructure for efficient photoelectrochemical water oxidation. 2D Materials, 2021, 8, 044017. | 2.0 | 7 |
| 38 | 2D Graphdiyne: A Rising Star on the Horizon of Energy Conversion. Chemistry - an Asian Journal, 2021, 16, 3259-3271. | 1.7 | 8 |
| 39 | Porous graphdiyne loading CoOx quantum dots for fixation nitrogen reaction. Nano Energy, 2021, 89, 106333. | 8.2 | 47 |
| 40 | Biodegradation of graphdiyne oxide in classically activated (M1) macrophages modulates cytokine production. Nanoscale, 2021, 13, 13072-13084. | 2.8 | 12 |
| 41 | Nickel(hydro)oxide/graphdiyne Catalysts for Efficient Oxygen Production Reaction. Chemical Research in Chinese Universities, 2021, 37, 1268-1274. | 1.3 | 10 |
| 42 | Loading Copper Atoms on Graphdiyne for Highly Efficient Hydrogen Production. ChemPhysChem, 2020, 21, 2145-2149. | 1.0 | 40 |
| 43 | Graphdiyne Interface Engineering: Highly Active and Selective Ammonia Synthesis. Angewandte Chemie, 2020, 132, 13121-13127. | 1.6 | 15 |
| 44 | 2D graphdiyne loading ruthenium atoms for high efficiency water splitting. Nano Energy, 2020, 72, 104667. | 8.2 | 91 |
| 45 | A highly selective and active metal-free catalyst for ammonia production. Nanoscale Horizons, 2020, 5, 1274-1278. | 4.1 | 20 |
| 46 | Graphdiyne Interface Engineering: Highly Active and Selective Ammonia Synthesis. Angewandte Chemie - International Edition, 2020, 59, 13021-13027. | 7.2 | 154 |
| 47 | DNA-Guided Room-Temperature Synthesis of Single-Crystalline Gold Nanostructures on Graphdiyne Substrates. ACS Central Science, 2020, 6, 779-786. | 5.3 | 15 |
| 48 | Fluorographdiyne: A Metalâ€Free Catalyst for Applications in Water Reduction and Oxidation. Angewandte Chemie, 2019, 131, 14035-14041. | 1.6 | 34 |
| 49 | Fluorographdiyne: A Metalâ€Free Catalyst for Applications in Water Reduction and Oxidation. Angewandte Chemie - International Edition, 2019, 58, 13897-13903. | 7.2 | 123 |
| 50 | Graphdiyne-engineered heterostructures for efficient overall water-splitting. Nano Energy, 2019, 64, 103928. | 8.2 | 43 |
| 51 | Ultrathin Nanosheet of Graphdiyne-Supported Palladium Atom Catalyst for Efficient Hydrogen Production. IScience, 2019, 11, 31-41. | 1.9 | 149 |
| 52 | Inverted MAPbI 3 Perovskite Solar Cells with Graphdiyne Derivativeâ€Incorporated Electron Transport Layers Exceeding 20% Efficiency. Solar Rrl, 2019, 3, 1900241. | 3.1 | 28 |
| 53 | Highly Efficient and Selective Generation of Ammonia and Hydrogen on a Graphdiyne-Based Catalyst. Journal of the American Chemical Society, 2019, 141, 10677-10683. | 6.6 | 474 |
| 54 | Mapping of atomic catalyst on graphdiyne. Nano Energy, 2019, 62, 754-763. | 8.2 | 64 |

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|---|---|---|---|
| 55 | Graphdiyne and its Assembly Architectures: Synthesis, Functionalization, and Applications. Advanced Materials, 2019, 31, e1803101. | 11.1 | 214 |
| 56 | Rationally engineered active sites for efficient and durable hydrogen generation. Nature Communications, 2019, 10, 2281. | 5.8 | 59 |
| 57 | In situ growth of graphdiyne based heterostructure: Toward efficient overall water splitting. Nano Energy, 2019, 59, 591-597. | 8.2 | 78 |
| 58 | Direct Synthesis of Crystalline Graphdiyne Analogue Based on Supramolecular Interactions. Journal of the American Chemical Society, 2019, 141, 48-52. | 6.6 | 60 |
| 59 | Efficient hydrogen generation on graphdiyne-based heterostructure. Nano Energy, 2019, 55, 135-142. | 8.2 | 59 |
| 60 | Ultrathin Graphdiyne-Wrapped Iron Carbonate Hydroxide Nanosheets toward Efficient Water Splitting. ACS Applied Materials & Interfaces, 2019, 11, 2618-2625. | 4.0 | 73 |
| 61 | Multifunctional Singleâ€Crystallized Carbonate Hydroxides as Highly Efficient Electrocatalyst for Full Water splitting. Advanced Energy Materials, 2018, 8, 1800175. | 10.2 | 101 |
| 62 | Efficient Hydrogen Production on a 3D Flexible Heterojunction Material. Advanced Materials, 2018, 30, e1707082. | 11.1 | 158 |
| 63 | Anchoring zero valence single atoms of nickel and iron on graphdiyne for hydrogen evolution. Nature Communications, 2018, 9, 1460. | 5.8 | 781 |
| 64 | Controlled Synthesis of a Three-Segment Heterostructure for High-Performance Overall Water Splitting. ACS Applied Materials & Interfaces, 2018, 10, 1771-1780. | 4.0 | 22 |
| 65 | Controlled Growth of MoS<sub>2</sub> Nanosheets on 2D Nâ€Doped Graphdiyne Nanolayers for Highly Associated Effects on Water Reduction. Advanced Functional Materials, 2018, 28, 1707564. | 7.8 | 119 |
| 66 | Overall water splitting by graphdiyne-exfoliated and -sandwiched layered double-hydroxide nanosheet arrays. Nature Communications, 2018, 9, 5309. | 5.8 | 287 |
| 67 | Graphdiyne as a Host Active Material for Perovskite Solar Cell Application. Nano Letters, 2018, 18, 6941-6947. | 4.5 | 110 |
| 68 | Progress in Research into 2D Graphdiyne-Based Materials. Chemical Reviews, 2018, 118, 7744-7803. | 23.0 | 745 |
| 69 | 2D graphdiyne materials: challenges and opportunities in energy field. Science China Chemistry, 2018, 61, 765-786. | 4.2 | 123 |
| 70 | Graphdyneâ€Supported NiCo<sub>2</sub>S<sub>4</sub> Nanowires: A Highly Active and Stable 3D Bifunctional Electrode Material. Small, 2017, 13, 1700936. | 5.2 | 194 |
| 71 | Single Molecule Study on Polymerâ€“Nanoparticle Interactions: The Particle Shape Matters. Langmuir, 2017, 33, 7615-7621. | 1.6 | 6 |
| 72 | Self-catalyzed growth of Cu@graphdiyne coreâ€“shell nanowires array for high efficient hydrogen evolution cathode. Nano Energy, 2016, 30, 858-866. | 8.2 | 149 |

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|---|---|---|---|
| 73 | Extraordinarily Durable Graphdiyne-Supported Electrocatalyst with High Activity for Hydrogen Production at All Values of pH. ACS Applied Materials & Interfaces, 2016, 8, 31083-31091. | 4.0 | 125 |
| 74 | Quantifying thiolâ€“gold interactions towards the efficient strength control. Nature Communications, 2014, 5, 4348. | 5.8 | 518 |