

# Guorui Yang

## List of Publications by Year in descending order

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34  
papers

2,390  
citations

304602

22  
h-index

345118

36  
g-index

37  
all docs

37  
docs citations

37  
times ranked

3655  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Higher hydrogen production by photocatalytic water splitting using a hollow tubular graphitic carbon nitride-zinc telluride composite. <i>Environmental Chemistry Letters</i> , 2022, 20, 19-26.   | 8.3  | 12        |
| 2  | Poly (triphenylamine)-decorated UIO-66-NH <sub>2</sub> mesoporous architectures with enhanced photocatalytic activity for CO <sub>2</sub> reduction and H <sub>2</sub> evolution. <i>Journal of CO<sub>2</sub> Utilization</i> , 2021, 51, 101654.         | 3.3  | 10        |
| 3  | Controllable Design of MoS <sub>2</sub> Nanosheets Grown on Nitrogen-Doped Branched TiO <sub>2</sub> /C Nanofibers: Toward Enhanced Sodium Storage Performance Induced by Pseudocapacitance Behavior. <i>Small</i> , 2020, 16, 1904589.                    | 5.2  | 20        |
| 4  | Fabrication of heterostructured UIO-66-NH <sub>2</sub> /CNTs with enhanced activity and selectivity over photocatalytic CO <sub>2</sub> reduction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 30634-30646.                                | 3.8  | 30        |
| 5  | Tin diselenide a stable co-catalyst coupled with branched TiO <sub>2</sub> fiber and g-C <sub>3</sub> N <sub>4</sub> quantum dots for photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2020, 270, 118900.                    | 10.8 | 91        |
| 6  | In situ decoration of g-C <sub>3</sub> N <sub>4</sub> quantum dots on 1D branched TiO <sub>2</sub> loaded with plasmonic Au nanoparticles and improved the photocatalytic hydrogen evolution activity. <i>Applied Surface Science</i> , 2020, 519, 146208. | 3.1  | 44        |
| 7  | Hybridization of g-C <sub>3</sub> N <sub>4</sub> quantum dots with 1D branched TiO <sub>2</sub> fiber for efficient visible light-driven photocatalytic hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 13994-14005.      | 3.8  | 18        |
| 8  | The Kirkendall Effect for Engineering Oxygen Vacancy of Hollow Co <sub>3</sub> O <sub>4</sub> Nanoparticles toward High-Performance Portable Zinc-Air Batteries. <i>Angewandte Chemie</i> , 2019, 131, 13978-13982.  | 1.6  | 284       |
| 9  | Sodium-Ion Batteries: In Situ Fabrication of Branched TiO <sub>2</sub> /C Nanofibers as Binder-Free and Free-Standing Anodes for High-Performance Sodium-Ion Batteries ( <i>Small</i> 30/2019). <i>Small</i> , 2019, 15, 1970158.                          | 5.2  | 1         |
| 10 | The Kirkendall Effect for Engineering Oxygen Vacancy of Hollow Co <sub>3</sub> O <sub>4</sub> Nanoparticles toward High-Performance Portable Zinc-Air Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13840-13844.                 | 7.2  | 385       |
| 11 | Lithium-Sulfur Batteries: Flexible and High-Loading Lithium-Sulfur Batteries Enabled by Integrated Three-In-One Fibrous Membranes ( <i>Adv. Energy Mater.</i> 38/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970147.                               | 10.2 | 5         |
| 12 | Fabrication of hierarchically one-dimensional ZnxCd1-xS/NiTiO <sub>3</sub> nanostructures and their enhanced photocatalytic water splitting activity. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 30974-30985.                             | 3.8  | 23        |
| 13 | Flexible and High-Loading Lithium-Sulfur Batteries Enabled by Integrated Three-In-One Fibrous Membranes. <i>Advanced Energy Materials</i> , 2019, 9, 1902001.  | 10.2 | 98        |
| 14 | Recent development in graphitic carbon nitride based photocatalysis for hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2019, 257, 117855.  | 10.8 | 244       |
| 15 | In Situ Fabrication of Branched TiO <sub>2</sub> /C Nanofibers as Binder-Free and Free-Standing Anodes for High-Performance Sodium-Ion Batteries. <i>Small</i> , 2019, 15, 1901584.  | 5.2  | 39        |
| 16 | Carbon-Based Alloy-Type Composite Anode Materials toward Sodium-Ion Batteries. <i>Small</i> , 2019, 15, e1900628.  | 5.2  | 42        |
| 17 | In-situ fabrication of transition-metal-doped TiO <sub>2</sub> nanofiber/nanosheet structure for high-performance Li storage. <i>Journal of Alloys and Compounds</i> , 2019, 787, 1110-1119.   | 2.8  | 14        |
| 18 | Fabrication of one-dimensional CdFe <sub>2</sub> O <sub>4</sub> yolk/shell flat nanotubes as a high-performance anode for lithium-ion batteries. <i>Journal of Materials Science</i> , 2017, 52, 4096-4108.  | 1.7  | 14        |

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|----|--|-----|-----------|
| 19 | Cobalt nanoparticles encapsulated in carbon nanotube-grafted nitrogen and sulfur co-doped multichannel carbon fibers as efficient bifunctional oxygen electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4949-4961.  | 5.2 | 129       |
| 20 | Design of 3-Dimensional Hierarchical Architectures of Carbon and Highly Active Transition Metals (Fe, Ti) for Oxygen Evolution Reaction. <i>Journal of Materials Chemistry A</i> , 2017, 29, 1665-1675.  | 3.2 | 104       |
| 21 | A general strategy to synthesis Mg-Ti-O nanofibers by sol-gel assisted electrospinning. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 81, 717-723.  | 1.1 | 0         |
| 22 | Design and synthesis of porous channel-rich carbon nanofibers for self-standing oxygen reduction reaction and hydrogen evolution reaction bifunctional catalysts in alkaline medium. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7507-7515.                           | 5.2 | 69        |
| 23 | In Situ Fabrication of Hierarchically Branched TiO <sub>2</sub> Nanostructures: Enhanced Performance in Photocatalytic H <sub>2</sub> Evolution and Li-ion Batteries. <i>Small</i> , 2017, 13, 1702357.  | 5.2 | 23        |
| 24 | Synthesis of one-dimensional NiFe <sub>2</sub> O <sub>4</sub> nanostructures: tunable morphology and high-performance anode materials for Li ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8620-8629.  | 5.2 | 81        |
| 25 | Fabrication of the ZnFe <sub>2</sub> O <sub>4</sub> Fiber-in-Tube and Tubular Mesoporous Nanostructures via Single-spinneret Electrospinning: Characterization, Mechanism and Performance as Anodes for Li-ion Batteries. <i>Electrochimica Acta</i> , 2016, 222, 1176-1185. | 2.6 | 16        |
| 26 | Fabrication of a well-aligned TiO <sub>2</sub> nanofibrous membrane by modified parallel electrode configuration with enhanced photocatalytic performance. <i>RSC Advances</i> , 2016, 6, 31476-31483.   | 1.7 | 8         |
| 27 | Thorny TiO <sub>2</sub> nanofibers: Synthesis, enhanced photocatalytic activity and supercapacitance. <i>Journal of Alloys and Compounds</i> , 2016, 659, 138-145.   | 2.8 | 27        |
| 28 | Fabrication and photocatalytic activities of SrTiO <sub>3</sub> nanofibers by sol-gel assisted electrospinning. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 71, 159-167.  | 1.1 | 27        |
| 29 | Fabrication of one-dimensional heterostructured TiO <sub>2</sub> @SnO <sub>2</sub> with enhanced photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 116-122.  | 5.2 | 88        |
| 30 | Fabrication and characterization of NiTiO <sub>3</sub> nanofibers by sol-gel assisted electrospinning. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 69, 473-479.   | 1.1 | 47        |
| 31 | A facile one-step synthesis of three-dimensionally ordered macroporous N-doped TiO <sub>2</sub> with ethanediamine as the nitrogen source. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15611-15619.   | 5.2 | 83        |
| 32 | Fabrication and formation mechanism of Mn <sub>2</sub> O <sub>3</sub> hollow nanofibers by single-spinneret electrospinning. <i>CrystEngComm</i> , 2014, 16, 6907-6913.  | 1.3 | 64        |
| 33 | Fabrication of Cd <sub>1-x</sub> Zn <sub>x</sub> S/TiO <sub>2</sub> heterostructures with enhanced photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2013, 580, 29-36.   | 2.8 | 57        |
| 34 | One-dimensional CdS/ZnO core/shell nanofibers via single-spinneret electrospinning: tunable morphology and efficient photocatalytic hydrogen production. <i>Nanoscale</i> , 2013, 5, 12432.  | 2.8 | 175       |