

# Yifu Yu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

113  
papers

9,114  
citations

45  
h-index

95  
g-index

126  
ext. papers

12,108  
ext. citations

12.1  
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6.86  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 113 | Electrocatalytic construction of the C-N bond from the derivatives of CO <sub>2</sub> and N <sub>2</sub> . <i>Science China Chemistry</i> , <b>2022</b> , 65, 204-206                                | 7.9  | 5         |
| 112 | Cu clusters/TiO <sub>2</sub> with abundant oxygen vacancies for enhanced electrocatalytic nitrate reduction to ammonia. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 6448-6453        | 13   | 7         |
| 111 | Electrocatalytic Reduction of Low-Concentration Nitric Oxide into Ammonia over Ru Nanosheets. <i>ACS Energy Letters</i> , <b>2022</b> , 7, 1187-1194   | 20.1 | 10        |
| 110 | CuOx clusters decorated TiO <sub>2</sub> for photocatalytic oxidation of nitrogen in air into nitric oxide under ambient conditions. <i>Journal of Catalysis</i> , <b>2022</b> , 409, 70-77          | 7.3  | 1         |
| 109 | Direct Electrosynthesis of Urea from Carbon Dioxide and Nitric Oxide. <i>ACS Energy Letters</i> , <b>2022</b> , 7, 284-290   | 10.1 | 15        |
| 108 | Electrochemical Synthesis of Nitric Acid from Nitrogen Oxidation. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,   | 16.4 | 5         |
| 107 | Engineering Nitrogen Vacancy in Polymeric Carbon Nitride for Nitrate Electroreduction to Ammonia. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 54967-54973                      | 9.5  | 5         |
| 106 | Optimization Strategies for Selective CO <sub>2</sub> Electroreduction to Fuels. <i>Transactions of Tianjin University</i> , <b>2021</b> , 27, 180-200   | 2.9  | 16        |
| 105 | Electrosynthesis of urea from nitrite and CO <sub>2</sub> over oxygen vacancy-rich ZnO porous nanosheets. <i>Cell Reports Physical Science</i> , <b>2021</b> , 2, 100378                             | 6.1  | 24        |
| 104 | Metastable 1T' phase group VI B transition metal dichalcogenide crystals. <i>Nature Materials</i> , <b>2021</b> , 20, 1113-1120  | 27   | 36        |
| 103 | Photoinduced H <sub>2</sub> Heterolysis to Form Mo <sub>2</sub> NH <sub>x</sub> Active Species for CO <sub>2</sub> Reduction. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 2024-2029                 | 20.1 | 3         |
| 102 | Catalytic Role of Metal Nanoparticles in Selectivity Control over Photodehydrogenative Coupling of Primary Amines to Imines and Secondary Amines. <i>ACS Catalysis</i> , <b>2021</b> , 11, 6656-6661 | 13.1 | 12        |
| 101 | Self-Constructed Multiple Plasmonic Hotspots on an Individual Fractal to Amplify Broadband Hot Electron Generation. <i>ACS Nano</i> , <b>2021</b> , 15, 10553-10564                                  | 16.7 | 19        |
| 100 | Converting copper sulfide to copper with surface sulfur for electrocatalytic alkyne semi-hydrogenation with water. <i>Nature Communications</i> , <b>2021</b> , 12, 3881                             | 17.4 | 17        |
| 99  | Membrane-free selective oxidation of thioethers with water over a nickel phosphide nanocube electrode. <i>Cell Reports Physical Science</i> , <b>2021</b> , 2, 100462                                | 6.1  | 5         |
| 98  | Promoting nitric oxide electroreduction to ammonia over electron-rich Cu modulated by Ru doping. <i>Science China Chemistry</i> , <b>2021</b> , 64, 1493-1497  | 7.9  | 22        |
| 97  | Recent advances in non-noble metal electrocatalysts for nitrate reduction. <i>Chemical Engineering Journal</i> , <b>2021</b> , 403, 126269   | 14.7 | 102       |

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| 96 | Thermally-assisted photocatalytic CO <sub>2</sub> reduction to fuels. <i>Chemical Engineering Journal</i> , <b>2021</b> , 408, 12728-12734  | 10.7  | 31 |
| 95 | Unveiling the Activity Origin of Iron Nitride as Catalytic Material for Efficient Hydrogenation of CO <sub>2</sub> to C <sub>2</sub> + Hydrocarbons. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 4546-4550  | 3.6   | 2  |
| 94 | Integrated selective nitrite reduction to ammonia with tetrahydroisoquinoline semi-dehydrogenation over a vacancy-rich Ni bifunctional electrode. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 239-243  | 13    | 18 |
| 93 | Unveiling the Activity Origin of Iron Nitride as Catalytic Material for Efficient Hydrogenation of CO to C Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 4496-4500   | 16.4  | 21 |
| 92 | Electrosynthesis of Nitrate via the Oxidation of Nitrogen on Tensile-Strained Palladium Porous Nanosheets. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 4474-4478   | 16.4  | 36 |
| 91 | Electrosynthesis of Nitrate via the Oxidation of Nitrogen on Tensile-Strained Palladium Porous Nanosheets. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 4524-4528  | 3.6   | 12 |
| 90 | Nitrate electroreduction: mechanism insight, in situ characterization, performance evaluation, and challenges. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 6720-6733  | 58.5  | 92 |
| 89 | Unveiling the In Situ Dissolution and Polymerization of Mo in Ni Mo Alloy for Promoting the Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 7051-7055   | 16.4  | 51 |
| 88 | Selectivity Origin of Organic Electrosynthesis Controlled by Electrode Materials: A Case Study on Pinacols. <i>ACS Catalysis</i> , <b>2021</b> , 11, 8958-8967  | 13.1  | 4  |
| 87 | Recent advances in soot combustion catalysts with designed micro-structures. <i>Chinese Chemical Letters</i> , <b>2021</b> ,  | 8.1   | 2  |
| 86 | Amorphous nanomaterials in electrocatalytic water splitting. <i>Chinese Journal of Catalysis</i> , <b>2021</b> , 42, 1287-1296  | 12.96 | 30 |
| 85 | Promoted Self-construction of NiOOH in Amorphous High Entropy Electrocatalysts for the Oxygen Evolution Reaction. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 301, 120764   | 21.8  | 19 |
| 84 | Electrosynthesis of Syngas via the Co-Reduction of CO <sub>2</sub> and H <sub>2</sub> O. <i>Cell Reports Physical Science</i> , <b>2020</b> , 1, 100237   | 6.1   | 16 |
| 83 | Thermally assisted photocatalytic conversion of CO <sub>2</sub> +H <sub>2</sub> O to C <sub>2</sub> H <sub>4</sub> over carbon doped In <sub>2</sub> S <sub>3</sub> nanosheets. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 10175-10179          | 13    | 19 |
| 82 | Oxygen Vacancy Engineering in Photocatalysis. <i>Solar Rrl</i> , <b>2020</b> , 4, 2000037   | 7.1   | 68 |
| 81 | Self-template synthesis of hierarchically structured Co <sub>3</sub> O <sub>4</sub> @NiO bifunctional electrodes for selective nitrate reduction and tetrahydroisoquinolines semi-dehydrogenation. <i>Science China Materials</i> , <b>2020</b> , 63, 2530-2538 | 7.1   | 23 |
| 80 | Unveiling hydrocerussite as an electrochemically stable active phase for efficient carbon dioxide electroreduction to formate. <i>Nature Communications</i> , <b>2020</b> , 11, 3415  | 17.4  | 61 |
| 79 | Preparation of hierarchical hollow structures assembled from porous NiCo <sub>2</sub> O <sub>4</sub> nanosheets for diesel soot elimination. <i>EcoMat</i> , <b>2020</b> , 2, e12041  | 9.4   | 0  |

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| 78 | Boosting Selective Nitrate Electroreduction to Ammonium by Constructing Oxygen Vacancies in TiO <sub>2</sub> . <i>ACS Catalysis</i> , <b>2020</b> , 10, 3533-3540  | 13.1 | 171 |
| 77 | Unveiling the Activity Origin of a Copper-based Electrocatalyst for Selective Nitrate Reduction to Ammonia. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 5350-5354   | 16.4 | 232 |
| 76 | Unveiling the Activity Origin of a Copper-based Electrocatalyst for Selective Nitrate Reduction to Ammonia. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 5388-5392  | 3.6  | 51  |
| 75 | Photothermally assisted photocatalytic conversion of CO <sub>2</sub> to H <sub>2</sub> into fuels over a WO <sub>3</sub> /Z-scheme heterostructure. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 1077-1083                 | 13   | 30  |
| 74 | Temperature-regulated reversible transformation of spinel-to-oxyhydroxide active species for electrocatalytic water oxidation. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 1631-1635                                      | 13   | 16  |
| 73 | Integrating photocatalytic reduction of CO <sub>2</sub> with selective oxidation of tetrahydroisoquinoline over InP/ZnO <sub>2</sub> Z-scheme p-n junction. <i>Science China Chemistry</i> , <b>2020</b> , 63, 28-34                     | 7.9  | 28  |
| 72 | Recent advances in nanostructured transition metal phosphides: synthesis and energy-related applications. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 4564-4582  | 35.4 | 116 |
| 71 | Reduced Graphene Oxide/Carbon Fiber Composite Membrane for Self-floating Solar-thermal Steam Production. <i>Chemical Research in Chinese Universities</i> , <b>2020</b> , 36, 699-702  | 2.2  | 5   |
| 70 | A nitrogen fixation strategy to synthesize NO via the thermally assisted photocatalytic conversion of air. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 19623-19630  | 13   | 12  |
| 69 | Promoting selective electroreduction of nitrates to ammonia over electron-deficient Co modulated by rectifying Schottky contacts. <i>Science China Chemistry</i> , <b>2020</b> , 63, 1469-1476   | 7.9  | 41  |
| 68 | Enhancing Electrocatalytic Water Splitting Activities via Photothermal Effect over Bifunctional Nickel/Reduced Graphene Oxide Nanosheets. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 3710-3714                  | 8.3  | 37  |
| 67 | Selenium vacancy-rich CoSe <sub>2</sub> ultrathin nanomeshes with abundant active sites for electrocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 2536-2540                                      | 13   | 61  |
| 66 | MOF-Based Hierarchical Structures for Solar-Thermal Clean Water Production. <i>Advanced Materials</i> , <b>2019</b> , 31, e1808249   | 24   | 157 |
| 65 | In-Plane Anisotropic Properties of 1T'FMoS Layers. <i>Advanced Materials</i> , <b>2019</b> , 31, e1807764  | 24   | 36  |
| 64 | Electrochemical synthesis of nitric acid from air and ammonia through waste utilization. <i>National Science Review</i> , <b>2019</b> , 6, 730-738   | 10.8 | 139 |
| 63 | Integrating Hydrogen Production with Aqueous Selective Semi-Dehydrogenation of Tetrahydroisoquinolines over a Ni <sub>2</sub> P Bifunctional Electrode. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 12142-12145                        | 3.6  | 32  |
| 62 | Integrating Hydrogen Production with Aqueous Selective Semi-Dehydrogenation of Tetrahydroisoquinolines over a Ni <sub>2</sub> P Bifunctional Electrode. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 12014-12017 | 16.4 | 123 |
| 61 | Efficient Electrosynthesis of Syngas with Tunable CO/H Ratios over Zn <sub>1-x</sub> Cd <sub>x</sub> S-Amine Inorganic-Organic Hybrids. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18908-18912                 | 16.4 | 56  |

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| 60 | Solid-State Conversion Synthesis of Advanced Electrocatalysts for Water Splitting. <i>Chemistry - A European Journal</i> , <b>2019</b> , 26, 3961   | 4.8  | 3   |
| 59 | Efficient Electrosynthesis of Syngas with Tunable CO/H <sub>2</sub> Ratios over Zn <sub>x</sub> Cd <sub>1-x</sub> S-Amine Inorganic/Organic Hybrids. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 19084-19088                    | 3.6  | 5   |
| 58 | Superficial Hydroxyl and Amino Groups Synergistically Active Polymeric Carbon Nitride for CO <sub>2</sub> Electroreduction. <i>ACS Catalysis</i> , <b>2019</b> , 9, 10983-10989   | 13.1 | 66  |
| 57 | A General Method for the Synthesis of Hybrid Nanostructures Using MoSe Nanosheet-Assembled Nanospheres as Templates. <i>Research</i> , <b>2019</b> , 2019, 6439734  | 7.8  | 4   |
| 56 | Engineering Oxygen Vacancies into LaCoO <sub>3</sub> Perovskite for Efficient Electrocatalytic Oxygen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 2906-2910                                    | 8.3  | 61  |
| 55 | Understanding the Nature of Ammonia Treatment to Synthesize Oxygen Vacancy-Enriched Transition Metal Oxides. <i>Chem</i> , <b>2019</b> , 5, 376-389   | 16.2 | 111 |
| 54 | MnO <sub>2</sub> -Mediated Synthesis of Mn <sub>3</sub> O <sub>4</sub> @CaMn <sub>7</sub> O <sub>12</sub> Core@Shell Nanorods for Electrocatalytic Oxygen Reduction Reaction. <i>ChemElectroChem</i> , <b>2019</b> , 6, 618-622   | 4.3  | 3   |
| 53 | Single-Atom Au/NiFe Layered Double Hydroxide Electrocatalyst: Probing the Origin of Activity for Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 3876-3879                        | 16.4 | 560 |
| 52 | Self-template synthesis of double-layered porous nanotubes with spatially separated photoredox surfaces for efficient photocatalytic hydrogen production. <i>Science Bulletin</i> , <b>2018</b> , 63, 601-608                     | 10.6 | 49  |
| 51 | Photocatalytic Deuteration of Halides Using D <sub>2</sub> O over CdSe Porous Nanosheets: A Mild and Controllable Route to Deuterated Molecules. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 5590-5592   | 16.4 | 16  |
| 50 | High phase-purity 1T'FMoS- and 1T'FMoSe-layered crystals. <i>Nature Chemistry</i> , <b>2018</b> , 10, 638-643   | 17.6 | 510 |
| 49 | Crystal phase-based epitaxial growth of hybrid noble metal nanostructures on 4H/fcc Au nanowires. <i>Nature Chemistry</i> , <b>2018</b> , 10, 456-461   | 17.6 | 160 |
| 48 | Synergetic Transformation of Solid Inorganic-Organic Hybrids into Advanced Nanomaterials for Catalytic Water Splitting. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 1711-1721  | 24.3 | 163 |
| 47 | Engineering Sulfur Defects, Atomic Thickness, and Porous Structures into Cobalt Sulfide Nanosheets for Efficient Electrocatalytic Alkaline Hydrogen Evolution. <i>ACS Catalysis</i> , <b>2018</b> , 8, 8077-8083                  | 13.1 | 148 |
| 46 | Boosting Electrocatalytic Hydrogen-Evolving Activity of Co/CoO Heterostructured Nanosheets via Coupling Photogenerated Carriers with Photothermy. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 11206-11210 | 8.3  | 19  |
| 45 | Boosting Photoelectrochemical Water Oxidation Activity and Stability of Mo-Doped BiVO <sub>4</sub> through the Uniform Assembly Coating of NiFe Phenolic Networks. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 1648-1654         | 20.1 | 72  |
| 44 | Design of continuous built-in band bending in self-supported CdS nanorod-based hierarchical architecture for efficient photoelectrochemical hydrogen production. <i>Nano Energy</i> , <b>2018</b> , 43, 236-243                   | 17.1 | 45  |
| 43 | Hydrogen evolution activity enhancement by tuning the oxygen vacancies in self-supported mesoporous spinel oxide nanowire arrays. <i>Nano Research</i> , <b>2018</b> , 11, 603-613  | 10   | 102 |

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| 42 | Plasma-Assisted Synthesis of NiSe Ultrathin Porous Nanosheets with Selenium Vacancies for Supercapacitor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 41861-41865  | 9.5  | 59  |
| 41 | Carbon-Based Functional Materials Derived from Waste for Water Remediation and Energy Storage. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605361   | 24   | 221 |
| 40 | Sub-1.1 nm ultrathin porous CoP nanosheets with dominant reactive {200} facets: a high mass activity and efficient electrocatalyst for the hydrogen evolution reaction. <i>Chemical Science</i> , <b>2017</b> , 8, 2769-2775                               | 9.4  | 199 |
| 39 | Promoting charge carrier utilization by integrating layered double hydroxide nanosheet arrays with porous BiVO <sub>4</sub> photoanode for efficient photoelectrochemical water splitting. <i>Science China Materials</i> , <b>2017</b> , 60, 193-207      | 7.1  | 51  |
| 38 | N-doped graphene wrapped hexagonal metallic cobalt hierarchical nanosheet as a highly efficient water oxidation electrocatalyst. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 8897-8902  | 13   | 41  |
| 37 | Anodized Aluminum Oxide Templated Synthesis of Metal-Organic Frameworks Used as Membrane Reactors. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 578-581  | 16.4 | 42  |
| 36 | Adjusting the electronic structure by Ni incorporation: a generalized in situ electrochemical strategy to enhance water oxidation activity of oxyhydroxides. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 13336-13340                        | 13   | 38  |
| 35 | Preparation of Superhydrophilic and Underwater Superoleophobic Nanofiber-Based Meshes from Waste Glass for Multifunctional Oil/Water Separation. <i>Small</i> , <b>2017</b> , 13, 1700391  | 11   | 95  |
| 34 | Anodized Aluminum Oxide Templated Synthesis of Metal-Organic Frameworks Used as Membrane Reactors. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 593-596   | 3.6  | 15  |
| 33 | Photogenerated Carriers Boost Water Splitting Activity over Transition-Metal/Semiconducting Metal Oxide Bifunctional Electrocatalysts. <i>ACS Catalysis</i> , <b>2017</b> , 7, 6464-6470   | 13.1 | 45  |
| 32 | Controlled synthesis of hierarchically crossed metal oxide nanosheet arrays for diesel soot elimination. <i>Chemical Communications</i> , <b>2017</b> , 53, 8517-8520  | 5.8  | 8   |
| 31 | Edge Epitaxy of Two-Dimensional MoSe and MoS Nanosheets on One-Dimensional Nanowires. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 8653-8660   | 16.4 | 90  |
| 30 | In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metal-Organic Framework Nanosheets. <i>Small</i> , <b>2016</b> , 12, 4669-74  | 11   | 88  |
| 29 | 2D Transition-Metal-Dichalcogenide-Nanosheet-Based Composites for Photocatalytic and Electrocatalytic Hydrogen Evolution Reactions. <i>Advanced Materials</i> , <b>2016</b> , 28, 1917-33  | 24   | 977 |
| 28 | Bioinspired Design of Ultrathin 2D Bimetallic Metal-Organic-Framework Nanosheets Used as Biomimetic Enzymes. <i>Advanced Materials</i> , <b>2016</b> , 28, 4149-55   | 24   | 320 |
| 27 | Synthesis of Two-Dimensional CoS <sub>1.097</sub> /Nitrogen-Doped Carbon Nanocomposites Using Metal-Organic Framework Nanosheets as Precursors for Supercapacitor Application. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 6924-7 | 16.4 | 485 |
| 26 | Water-dispersible Hollow Microporous Organic Network Spheres as Substrate for Electroless Deposition of Ultrafine Pd Nanoparticles with High Catalytic Activity and Recyclability. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 3178-3182       | 4.5  | 8   |
| 25 | Anchoring CoO Domains on CoSe Nanobelts as Bifunctional Electrocatalysts for Overall Water Splitting in Neutral Media. <i>Advanced Science</i> , <b>2016</b> , 3, 1500426  | 13.6 | 205 |

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| 24 | CdS/CdSe (CdTe) core-shell quantum dots sensitized TiO <sub>2</sub> nanotube array solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2015</b> , 132, 650-654   | 6.4  | 34  |
| 23 | Ultrathin 2D Metal-Organic Framework Nanosheets. <i>Advanced Materials</i> , <b>2015</b> , 27, 7372-8  | 24   | 684 |
| 22 | Effects of Synthesis Routes on the States and Catalytic Performance of Manganese Oxides Used for Diesel Soot Combustion. <i>Catalysis Letters</i> , <b>2014</b> , 144, 1210-1218   | 2.8  | 8   |
| 21 | Domain-Confined Multiple Collision Enhanced Catalytic Soot Combustion over a Fe <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> Nanotube Array Catalyst Prepared by Light-Assisted Cyclic Magnetic Adsorption. <i>ACS Catalysis</i> , <b>2014</b> , 4, 934-941             | 13.1 | 51  |
| 20 | Metamorphosis-like photochemical growth route for silver nanoprisms synthesis via the unrevealed key intermediates of nanorods and nanotrapezoids. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1   | 2.3  | 1   |
| 19 | Highly efficient NO <sub>x</sub> purification in alternating lean/rich atmospheres over non-platinic mesoporous perovskite-based catalyst K/LaCoO <sub>3</sub> . <i>Catalysis Science and Technology</i> , <b>2013</b> , 3, 1915   | 5.5  | 19  |
| 18 | Domain-confined catalytic soot combustion over Co <sub>3</sub> O <sub>4</sub> anchored on a TiO <sub>2</sub> nanotube array catalyst prepared by mercaptoacetic acid induced surface-grafting. <i>Nanoscale</i> , <b>2013</b> , 5, 12144-9                               | 7.7  | 22  |
| 17 | Photocatalytic hydrogen evolution on graphene quantum dots anchored TiO <sub>2</sub> nanotubes-array. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 12266-12272  | 6.7  | 46  |
| 16 | The monolithic lawn-like CuO-based nanorods array used for diesel soot combustion under gravitational contact mode. <i>Nanoscale</i> , <b>2013</b> , 5, 904-9  | 7.7  | 25  |
| 15 | Preparation, formation mechanism and photocatalysis of ultrathin mesoporous single-crystal-like CeO <sub>2</sub> nanosheets. <i>Dalton Transactions</i> , <b>2013</b> , 42, 12087-92   | 4.3  | 20  |
| 14 | Nanoporous single-crystal-like Cd(x)Zn(1-x)S nanosheets fabricated by the cation-exchange reaction of inorganic-organic hybrid ZnS-amine with cadmium ions. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 897-900                                 | 16.4 | 204 |
| 13 | Conversion of Sb <sub>2</sub> Te <sub>3</sub> hexagonal nanoplates into three-dimensional porous single-crystal-like network-structured Te plates using oxygen and tartaric acid. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 1459-63           | 16.4 | 39  |
| 12 | Synergism of interparticle electrostatic repulsion modulation and heat-induced fusion: a generalized one-step approach to porous network-like noble metals and their alloy nanostructures. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 349-354             |      | 24  |
| 11 | Nanoporous Single-Crystal-Like Cd <sub>x</sub> Zn <sub>1-x</sub> S Nanosheets Fabricated by the Cation-Exchange Reaction of Inorganic/Organic Hybrid ZnS/Amine with Cadmium Ions. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 921-924                                  | 3.6  | 41  |
| 10 | Conversion of Sb <sub>2</sub> Te <sub>3</sub> Hexagonal Nanoplates into Three-Dimensional Porous Single-Crystal-Like Network-Structured Te Plates Using Oxygen and Tartaric Acid. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 1488-1492                                | 3.6  | 4   |
| 9  | Titelbild: Nanoporous Single-Crystal-Like Cd <sub>x</sub> Zn <sub>1-x</sub> S Nanosheets Fabricated by the Cation-Exchange Reaction of Inorganic/Organic Hybrid ZnS/Amine with Cadmium Ions (Angew. Chem. 4/2012). <i>Angewandte Chemie</i> , <b>2012</b> , 124, 849-849 | 3.6  |     |
| 8  | Synthesis of Hollow Cd <sub>x</sub> Zn <sub>1-x</sub> Se Nanoframes through the Selective Cation Exchange of Inorganic/Organic Hybrid ZnSe/Amine Nanoflakes with Cadmium Ions. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 3265-3269                                   | 3.6  | 20  |
| 7  | Synthesis of hollow Cd(x)Zn(1-x) Se nanoframes through the selective cation exchange of inorganic-organic hybrid ZnSe-amine nanoflakes with cadmium ions. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 3211-5                                    | 16.4 | 102 |

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|---|---|------|-----|
| 6 | Cu <sub>2</sub> O Nanocrystals: Surfactant-Free Room-Temperature Morphology-Modulated Synthesis and Shape-Dependent Heterogeneous Organic Catalytic Activities. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 15288-15296         | 3.8  | 140 |
| 5 | Converting inorganic-organic hybrid sulfides into oxides: A general strategy to hierarchical-porous-structured thermal-stable metal oxides with improved catalytic performance. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 10525 |      | 12  |
| 4 | Photoluminescence and photocatalysis of the flower-like nano-ZnO photocatalysts prepared by a facile hydrothermal method with or without ultrasonic assistance. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 105, 335-345          | 21.8 | 220 |
| 3 | One-step synthesis, characterizations and mechanistic study of nanosheets-constructed fluffy ZnO and Ag/ZnO spheres used for Rhodamine B photodegradation. <i>Applied Catalysis B: Environmental</i> , <b>2010</b> , 100, 491-501               | 21.8 | 120 |
| 2 | Ru-Doped Pd Nanoparticles for Nitrogen Electrooxidation to Nitrate. <i>ACS Catalysis</i> , 14032-14037  | 13.1 | 10  |
| 1 | Atomically Dispersed Ru-Decorated TiO <sub>2</sub> Nanosheets for Thermally Assisted Solar-Driven Nitrogen Oxidation into Nitric Oxide. <i>CCS Chemistry</i> , 1468-1476  | 7.2  | 7   |