

Yiming He

List of Publications by Year in descending order

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139
papers

9,987
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docs citations

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times ranked

7984
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | New Application of Z-Scheme Ag ₃ PO ₄ /g-C ₃ N ₄ Composite in Converting CO ₂ to Fuel. Environmental Science & Technology, 2015, 49, 649-656. | 4.6 | 812 |
| 2 | Synthesis of g-C ₃ N ₄ /SmVO ₄ composite photocatalyst with improved visible light photocatalytic activities in RhB degradation. Applied Catalysis B: Environmental, 2013, 129, 255-263. | 10.8 | 426 |
| 3 | Z-scheme SnO ₂ /g-C ₃ N ₄ composite as an efficient photocatalyst for dye degradation and photocatalytic CO ₂ reduction. Solar Energy Materials and Solar Cells, 2015, 137, 175-184. | 3.0 | 364 |
| 4 | In situ preparation of g-C ₃ N ₄ /Bi ₄ O ₅ I ₂ complex and its elevated photoactivity in Methyl Orange degradation under visible light. Journal of Environmental Sciences, 2020, 87, 149-162. | 3.2 | 227 |
| 5 | Efficient degradation of RhB over GdVO ₄ /g-C ₃ N ₄ composites under visible-light irradiation. Chemical Engineering Journal, 2013, 215-216, 721-730. | 6.6 | 219 |
| 6 | Membrane fouling in a membrane bioreactor: High filtration resistance of gel layer and its underlying mechanism. Water Research, 2016, 102, 82-89. | 5.3 | 209 |
| 7 | Enhanced photodegradation activity of methyl orange over Z-scheme type MoO ₃ /g-C ₃ N ₄ composite under visible light irradiation. RSC Advances, 2014, 4, 13610-13619. | 1.7 | 205 |
| 8 | Preparation of interstitial carbon doped BiOI for enhanced performance in photocatalytic nitrogen fixation and methyl orange degradation. Journal of Colloid and Interface Science, 2019, 539, 563-574. | 5.0 | 205 |
| 9 | Review of the progress in preparing nano TiO ₂ : An important environmental engineering material. Journal of Environmental Sciences, 2014, 26, 2139-2177. | 3.2 | 202 |
| 10 | Microwave heating preparation of phosphorus doped g-C ₃ N ₄ and its enhanced performance for photocatalytic H ₂ evolution in the help of Ag ₃ PO ₄ nanoparticles. International Journal of Hydrogen Energy, 2020, 45, 14354-14367. | 3.8 | 195 |
| 11 | Membrane fouling in a submerged membrane bioreactor: Impacts of floc size. Chemical Engineering Journal, 2015, 269, 328-334. | 6.6 | 190 |
| 12 | Membrane fouling caused by biological foams in a submerged membrane bioreactor: Mechanism insights. Water Research, 2020, 181, 115932. | 5.3 | 189 |
| 13 | In-situ synthesis of AgNbO ₃ /g-C ₃ N ₄ photocatalyst via microwave heating method for efficiently photocatalytic H ₂ generation. Journal of Colloid and Interface Science, 2019, 534, 163-171. | 5.0 | 174 |
| 14 | Facile fabrication of novel Ag ₂ S/K-g-C ₃ N ₄ composite and its enhanced performance in photocatalytic H ₂ evolution. Journal of Colloid and Interface Science, 2020, 568, 117-129. | 5.0 | 167 |
| 15 | Synthesis of carbon-doped KNbO ₃ photocatalyst with excellent performance for photocatalytic hydrogen production. Solar Energy Materials and Solar Cells, 2018, 179, 45-56. | 3.0 | 163 |
| 16 | High piezo/photocatalytic efficiency of Ag/Bi ₅ O ₇ I nanocomposite using mechanical and solar energy for N ₂ fixation and methyl orange degradation. Green Energy and Environment, 2023, 8, 283-295. | 4.7 | 139 |
| 17 | Comparing Two New Composite Photocatalysts, <i>LaVO₄/g-C₃N₄</i> and <i>LaVO₄/g-C₃N₄</i> , for Their Structures and Performances. Industrial & Engineering Chemistry Research, 2014, 53, 5905-5915. | 1.8 | 137 |
| 18 | Rapid and energy-efficient preparation of boron doped g-C ₃ N ₄ with excellent performance in photocatalytic H ₂ -evolution. International Journal of Hydrogen Energy, 2018, 43, 19984-19989. | 3.8 | 137 |

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|----|---|------|-----------|
| 19 | Fouling mechanisms of gel layer in a submerged membrane bioreactor. <i>Bioresource Technology</i> , 2014, 166, 295-302. | 4.8 | 133 |
| 20 | Influence of some parameters on the synthesis of nanosized NiO material by modified sol-gel method. <i>Materials Letters</i> , 2007, 61, 3174-3178. | 1.3 | 131 |
| 21 | Effects of hydrophilicity/hydrophobicity of membrane on membrane fouling in a submerged membrane bioreactor. <i>Bioresource Technology</i> , 2015, 175, 59-67. | 4.8 | 130 |
| 22 | Synthesis, Characterization, and Activity Evaluation of DyVO ₄ /g-C ₃ N ₄ Composites under Visible-Light Irradiation. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 14729-14737. | 1.8 | 128 |
| 23 | High-efficiency conversion of CO ₂ to fuel over ZnO/g-C ₃ N ₄ photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2015, 168-169, 1-8. | 10.8 | 128 |
| 24 | Synthesis and characterization of a ZrO ₂ /g-C ₃ N ₄ composite with enhanced visible-light photoactivity for rhodamine degradation. <i>RSC Advances</i> , 2014, 4, 40029-40035. | 1.7 | 121 |
| 25 | A new insight into membrane fouling mechanism in submerged membrane bioreactor: Osmotic pressure during cake layer filtration. <i>Water Research</i> , 2013, 47, 2777-2786. | 5.3 | 117 |
| 26 | Different fouling propensities of loosely and tightly bound extracellular polymeric substances (EPSs) and the related fouling mechanisms in a membrane bioreactor. <i>Chemosphere</i> , 2020, 255, 126953. | 4.2 | 112 |
| 27 | A novel Bi ₂ S ₃ /KTa _{0.75} Nb _{0.25} O ₃ nanocomposite with high efficiency for photocatalytic and piezocatalytic N ₂ fixation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13344-13354. | 5.2 | 109 |
| 28 | Fabrication and characterization of hollow CdMoO ₄ coupled g-C ₃ N ₄ heterojunction with enhanced photocatalytic activity. <i>Journal of Hazardous Materials</i> , 2015, 299, 333-342. | 6.5 | 104 |
| 29 | In-situ preparation of Z-scheme AgI/Bi ₅ O ₇ I hybrid and its excellent photocatalytic activity. <i>Applied Surface Science</i> , 2016, 387, 912-920. | 3.1 | 101 |
| 30 | Rapid fabrication of KTa _{0.75} Nb _{0.25} /g-C ₃ N ₄ composite via microwave heating for efficient photocatalytic H ₂ evolution. <i>Fuel</i> , 2019, 241, 1-11. | 3.4 | 101 |
| 31 | Novel insights into membrane fouling in a membrane bioreactor: Elucidating interfacial interactions with real membrane surface. <i>Chemosphere</i> , 2018, 210, 769-778. | 4.2 | 97 |
| 32 | Effects of molecular weight distribution of soluble microbial products (SMPs) on membrane fouling in a membrane bioreactor (MBR): Novel mechanistic insights. <i>Chemosphere</i> , 2020, 248, 126013. | 4.2 | 97 |
| 33 | Facile preparation of novel nickel sulfide modified KNbO ₃ heterojunction composite and its enhanced performance in photocatalytic nitrogen fixation. <i>Journal of Colloid and Interface Science</i> , 2021, 590, 548-560. | 5.0 | 97 |
| 34 | Cadmium sulfide modified zinc oxide heterojunction harvesting ultrasonic mechanical energy for efficient decomposition of dye wastewater. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 412-422. | 5.0 | 97 |
| 35 | Giant enhancement of photocatalytic H ₂ production over KNbO ₃ photocatalyst obtained via carbon doping and MoS ₂ decoration. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 4347-4354. | 3.8 | 91 |
| 36 | A novel strategy based on magnetic field assisted preparation of magnetic and photocatalytic membranes with improved performance. <i>Journal of Membrane Science</i> , 2020, 612, 118378. | 4.1 | 90 |

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|----|--|------|-----------|
| 37 | CuS/KTa _{0.75} Nb _{0.25} O ₃ nanocomposite utilizing solar and mechanical energy for catalytic N ₂ fixation. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 220-232. | 5.0 | 90 |
| 38 | Photocatalytic selective oxidation of biomass-derived 5-hydroxymethylfurfural to 2,5-diformylfuran on metal-free g-C ₃ N ₄ under visible light irradiation. <i>Molecular Catalysis</i> , 2017, 436, 10-18. | 1.0 | 87 |
| 39 | Thermodynamic analysis of membrane fouling in a submerged membrane bioreactor and its implications. <i>Bioresource Technology</i> , 2013, 146, 7-14. | 4.8 | 83 |
| 40 | Visible light photocatalytic activities of ZnFe ₂ O ₄ loaded by Ag ₃ VO ₄ heterojunction composites. <i>Journal of Alloys and Compounds</i> , 2013, 549, 105-113. | 2.8 | 80 |
| 41 | Synthesis, characterization and photocatalytic activity of visible-light plasmonic photocatalyst AgBr-SmVO ₄ . <i>Applied Catalysis B: Environmental</i> , 2013, 138-139, 95-103. | 10.8 | 78 |
| 42 | Synthesis and photocatalytic activity of SiO ₂ /g-C ₃ N ₄ composite photocatalyst. <i>Materials Letters</i> , 2014, 115, 53-56. | 1.3 | 77 |
| 43 | Realization of quantifying interfacial interactions between a randomly rough membrane surface and a foulant particle. <i>Bioresource Technology</i> , 2017, 226, 220-228. | 4.8 | 77 |
| 44 | In situ preparation of Z-scheme MoO ₃ /g-C ₃ N ₄ composite with high performance in photocatalytic CO ₂ reduction and RhB degradation. <i>Journal of Materials Research</i> , 2017, 32, 3660-3668. | 1.2 | 77 |
| 45 | KNbO ₃ /ZnO heterojunction harvesting ultrasonic mechanical energy and solar energy to efficiently degrade methyl orange. <i>Ultrasonics Sonochemistry</i> , 2021, 78, 105754. | 3.8 | 77 |
| 46 | Photocatalytic degradation of RhB over MgFe ₂ O ₄ /TiO ₂ composite materials. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 1497-1504. | 1.7 | 76 |
| 47 | Novel Fe ₂ (MoO ₄) ₃ /g-C ₃ N ₄ heterojunction for efficient contaminant removal and hydrogen production under visible light irradiation. <i>Solar Energy</i> , 2016, 139, 355-364. | 2.9 | 75 |
| 48 | Mechanism analyses of high specific filtration resistance of gel and roles of gel elasticity related with membrane fouling in a membrane bioreactor. <i>Bioresource Technology</i> , 2018, 257, 39-46. | 4.8 | 75 |
| 49 | Photocatalytic degradation of methylene blue on CaBi ₆ O ₁₀ /Bi ₂ O ₃ composites under visible light. <i>Chemical Engineering Journal</i> , 2012, 189-190, 473-481. | 6.6 | 73 |
| 50 | Fabrication of a Z-scheme AgBr/Bi ₄ O ₅ Br ₂ nanocomposite and its high efficiency in photocatalytic N ₂ fixation and dye degradation. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 3083-3092. | 3.0 | 71 |
| 51 | Quantification of interfacial interactions between a rough sludge floc and membrane surface in a membrane bioreactor. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 710-718. | 5.0 | 69 |
| 52 | Novel Ternary MoS ₂ /C-ZnO Composite with Efficient Performance in Photocatalytic NH ₃ Synthesis under Simulated Sunlight. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14866-14879. | 3.2 | 67 |
| 53 | A new method for modeling rough membrane surface and calculation of interfacial interactions. <i>Bioresource Technology</i> , 2016, 200, 451-457. | 4.8 | 66 |
| 54 | Preparation of a NiO/KNbO ₃ nanocomposite <i>via</i> a photodeposition method and its superior performance in photocatalytic N ₂ fixation. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1112-1117. | 2.5 | 66 |

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|----|---|-----|-----------|
| 55 | Novel CaBi ₆ O ₁₀ photocatalyst for methylene blue degradation under visible light irradiation. <i>Catalysis Communications</i> , 2012, 18, 161-164. | 1.6 | 65 |
| 56 | One-step degradation of cellulose to 5-hydroxymethylfurfural in ionic liquid under mild conditions. <i>Carbohydrate Polymers</i> , 2015, 117, 694-700. | 5.1 | 63 |
| 57 | Novel application of Ag/PbBiO ₂ nanocomposite in piezocatalytic degradation of rhodamine B via harvesting ultrasonic vibration energy. <i>Ultrasonics Sonochemistry</i> , 2021, 78, 105729. | 3.8 | 63 |
| 58 | Preparation and characterization of Ni-Zr-O nanoparticles and its catalytic behavior for ethane oxidative dehydrogenation. <i>Applied Surface Science</i> , 2012, 258, 4922-4928. | 3.1 | 60 |
| 59 | High efficiency photocatalytic conversion of CO ₂ with H ₂ O over Pt/TiO ₂ nanoparticles. <i>RSC Advances</i> , 2014, 4, 44442-44451. | 1.7 | 59 |
| 60 | Synthesis of KNbO ₃ /g-C ₃ N ₄ composite and its new application in photocatalytic H ₂ generation under visible light irradiation. <i>Journal of Materials Science</i> , 2018, 53, 7453-7465. | 1.7 | 57 |
| 61 | Enhanced photocatalytic activity of g-C ₃ N ₄ via modification of NiMoO ₄ nanorods. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 514, 98-106. | 2.3 | 56 |
| 62 | Enhanced visible-light photoactivity of g-C ₃ N ₄ via Zn ₂ SnO ₄ modification. <i>Applied Surface Science</i> , 2015, 329, 143-149. | 3.1 | 53 |
| 63 | A novel Z-scheme Bi ₂ O ₃ /KTa _{0.5} Nb _{0.5} O ₃ heterojunction for efficient photocatalytic conversion of N ₂ to NH ₃ . <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2714-2724. | 3.0 | 53 |
| 64 | Visible-light responsive plasmonic Ag ₂ O/Ag/g-C ₃ N ₄ nanosheets with enhanced photocatalytic degradation of Rhodamine B. <i>Journal of Materials Research</i> , 2016, 31, 2252-2260. | 1.2 | 51 |
| 65 | Novel platinum-bismuth alloy loaded KTa _{0.5} Nb _{0.5} O ₃ composite photocatalyst for effective nitrogen-to-ammonium conversion. <i>Journal of Colloid and Interface Science</i> , 2022, 618, 362-374. | 5.0 | 51 |
| 66 | Hydrolytic synthesis of flowerlike BiOCl and its photocatalytic performance under visible light. <i>Materials Letters</i> , 2013, 108, 168-171. | 1.3 | 48 |
| 67 | Application of Ag/AgBr/GdVO ₄ composite photocatalyst in wastewater treatment. <i>Journal of Environmental Sciences</i> , 2018, 63, 68-75. | 3.2 | 48 |
| 68 | Effect of synthesis method on the physical and catalytic property of nanosized NiO. <i>Materials Letters</i> , 2007, 61, 2679-2682. | 1.3 | 46 |
| 69 | Synthesis of carbon doped KTaO ₃ and its enhanced performance in photocatalytic H ₂ generation. <i>Catalysis Communications</i> , 2018, 109, 6-9. | 1.6 | 45 |
| 70 | Influence of membrane surface roughness on interfacial interactions with sludge flocs in a submerged membrane bioreactor. <i>Journal of Colloid and Interface Science</i> , 2015, 446, 84-90. | 5.0 | 44 |
| 71 | Preparation, characterization, and photocatalytic activity of novel AgBr/ZIF-8 composites for water purification. <i>Advanced Powder Technology</i> , 2020, 31, 439-447. | 2.0 | 43 |
| 72 | Hydrothermal preparation of carbon modified KNb ₃ O ₈ nanosheets for efficient photocatalytic H ₂ evolution. <i>Ceramics International</i> , 2020, 46, 11421-11426. | 2.3 | 43 |

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|----|---|-----|-----------|
| 73 | Photodegradation of RhB over YVO ₄ /g-C ₃ N ₄ composites under visible light irradiation. RSC Advances, 2013, 3, 20862. | 1.7 | 42 |
| 74 | Facile preparation of Ag ₂ S/KTa _{0.5} Nb _{0.5} O ₃ heterojunction for enhanced performance in catalytic nitrogen fixation via photocatalysis and piezo-photocatalysis. Green Energy and Environment, 2023, 8, 1630-1643. | 4.7 | 42 |
| 75 | Microwave heating assisted synthesis of novel SnSe/g-C ₃ N ₄ composites for effective photocatalytic H ₂ production. Journal of Industrial and Engineering Chemistry, 2019, 80, 74-82. | 2.9 | 41 |
| 76 | Synthesis, characterization and photocatalytic performance of V ₂ O ₅ composite under visible light irradiation. Chemical Engineering Journal, 2011, 169, 50-57. | 6.6 | 40 |
| 77 | Enhanced photodegradation activity of Rhodamine B by Co ₃ O ₄ /Ag ₃ VO ₄ under visible light irradiation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2013, 178, 45-52. | 1.7 | 40 |
| 78 | Effects of surface charge on interfacial interactions related to membrane fouling in a submerged membrane bioreactor based on thermodynamic analysis. Journal of Colloid and Interface Science, 2016, 465, 33-41. | 5.0 | 39 |
| 79 | A comparative study on the photocatalytic activities of two visible-light plasmonic photocatalysts: AgCl-SmVO ₄ and AgI-SmVO ₄ composites. Applied Catalysis A: General, 2014, 472, 143-151. | 2.2 | 38 |
| 80 | Fabrication, characterization and photocatalytic activity of g-C ₃ N ₄ coupled with FeVO ₄ nanorods. RSC Advances, 2015, 5, 27933-27939. | 1.7 | 38 |
| 81 | Fractal reconstruction of rough membrane surface related with membrane fouling in a membrane bioreactor. Bioresource Technology, 2016, 216, 817-823. | 4.8 | 37 |
| 82 | Photodeposition of CoOx nanoparticles on BiFeO ₃ nanodisk for efficiently piezocatalytic degradation of rhodamine B by utilizing ultrasonic vibration energy. Ultrasonics Sonochemistry, 2021, 80, 105813. | 3.8 | 36 |
| 83 | Effects of ionic strength on membrane fouling in a membrane bioreactor. Bioresource Technology, 2014, 156, 35-41. | 4.8 | 35 |
| 84 | Preparation of Bi ₃ O ₄ Br/BiOCl composite via ion-etching method and its excellent photocatalytic activity. Materials Letters, 2018, 210, 194-198. | 1.3 | 34 |
| 85 | Novel carbon modified KTa _{0.75} Nb _{0.25} O ₃ nanocubes with excellent efficiency in photocatalytic H ₂ evolution. Fuel, 2018, 233, 486-496. | 3.4 | 33 |
| 86 | Deep oxidative desulfurization of model oil catalyzed by magnetic MoO ₃ /Fe ₃ O ₄ . RSC Advances, 2015, 5, 69388-69393. | 1.7 | 32 |
| 87 | Synthesis of MoS ₂ /YVO ₄ composite and its high photocatalytic performance in methyl orange degradation and H ₂ evolution. Solar Energy, 2018, 171, 426-434. | 2.9 | 32 |
| 88 | Preparation, characterization and activity evaluation of V ₂ O ₅ â€“LaVO ₄ composites under visible light irradiation. Journal of Molecular Catalysis A, 2011, 337, 61-67. | 4.8 | 31 |
| 89 | Thermodynamic analysis of effects of contact angle on interfacial interactions and its implications for membrane fouling control. Bioresource Technology, 2016, 201, 245-252. | 4.8 | 30 |
| 90 | Effectively H ₂ generation over CdS/KTa _{0.75} Nb _{0.25} O ₃ composite via water splitting. Journal of Colloid and Interface Science, 2019, 552, 622-632. | 5.0 | 30 |

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|-----|--|-----|-----------|
| 91 | Oxidative Degradation of Chitosan to the Low Molecular Water-Soluble Chitosan over Peroxotungstate as Chemical Scissors. PLoS ONE, 2014, 9, e100743. | 1.1 | 29 |
| 92 | Synthesis of AgCl/Bi ₃ O ₄ Cl composite and its photocatalytic activity in RhB degradation under visible light. Catalysis Communications, 2016, 76, 19-22. | 1.6 | 29 |
| 93 | Preparation, characterization of Bi ₃ O ₄ Cl/g-C ₃ N ₄ composite and its photocatalytic activity in dye degradation. Journal of Water Process Engineering, 2017, 18, 65-72. | 2.6 | 29 |
| 94 | Photodegradation of organics over a new composite catalyst V ₂ O ₅ /SmVO ₄ . Catalysis Communications, 2009, 10, 1354-1357. | 1.6 | 28 |
| 95 | Membrane fouling in a submerged membrane bioreactor with focus on surface properties and interactions of cake sludge and bulk sludge. Bioresource Technology, 2014, 169, 213-219. | 4.8 | 27 |
| 96 | Low temperature catalytic performance of nanosized TiNiO for oxidative dehydrogenation of propane to propene. Applied Surface Science, 2006, 252, 5220-5226. | 3.1 | 25 |
| 97 | Enhanced photodegradation activity of Rhodamine B by MgFe ₂ O ₄ /Ag ₃ VO ₄ under visible light irradiation. Catalysis Communications, 2013, 30, 14-18. | 1.6 | 25 |
| 98 | Photodegradation of acetone over V-Gd-O composite catalysts under visible light. Journal of Hazardous Materials, 2010, 180, 675-682. | 6.5 | 24 |
| 99 | Visible light photodegradation of organics over VYO composite catalyst. Journal of Hazardous Materials, 2009, 169, 855-860. | 6.5 | 22 |
| 100 | Preparation and Characterization of Ag-Loaded SmVO ₄ for Photocatalysis Application. Photochemistry and Photobiology, 2013, 89, 529-535. | 1.3 | 22 |
| 101 | Experimental evidence for osmotic pressure-induced fouling in a membrane bioreactor. Bioresource Technology, 2014, 158, 119-126. | 4.8 | 22 |
| 102 | One step and fast preparation of VO _x /g-C ₃ N ₄ photocatalyst via microwave heating for effective degradation of RhB under visible light. Journal of Physics and Chemistry of Solids, 2020, 136, 109122. | 1.9 | 21 |
| 103 | Thiophene insertion and lanthanum molybdate modification of g-C ₃ N ₄ for enhanced visible-light-driven photoactivity in tetracycline degradation. Applied Surface Science, 2022, 592, 153337. | 3.1 | 21 |
| 104 | A new approach to construct three-dimensional surface morphology of sludge flocs in a membrane bioreactor. Bioresource Technology, 2016, 219, 521-526. | 4.8 | 20 |
| 105 | Selective photocatalytic carbon dioxide conversion with Pt@Ag-TiO ₂ nanoparticles. Catalysis Communications, 2018, 108, 98-102. | 1.6 | 20 |
| 106 | Low-temperature catalytic performance for oxidative dehydrogenation of propane on nanosized Ti(Zr)-Ni-O prepared by modified sol-gel method. Catalysis Communications, 2006, 7, 268-271. | 1.6 | 18 |
| 107 | Quantitative assessment of interfacial interactions with rough membrane surface and its implications for membrane selection and fabrication in a MBR. Bioresource Technology, 2015, 179, 367-372. | 4.8 | 18 |
| 108 | Synthesis of flower-like AgI/Bi ₅ O ₇ I hybrid photocatalysts with enhanced photocatalytic activity in rhodamine B degradation. Journal of Materials Research, 2018, 33, 2385-2395. | 1.2 | 18 |

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|-----|--|-----|-----------|
| 109 | Preparation of novel AgBr/Bi ₃ O ₄ Br hybrid with high photocatalytic activity via in situ ion exchange method. <i>Materials Letters</i> , 2017, 193, 73-76. | 1.3 | 17 |
| 110 | Preparation and Photocatalytic Activity of an Inorganic-Organic Hybrid Photocatalyst Ag ₂ WO ₄ /g-C ₃ N ₄ . <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 1683-1693. | 1.9 | 17 |
| 111 | New Application and Excellent Performance of Ag/KNbO ₃ Nanocomposite in Photocatalytic NH ₃ Synthesis. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , | 3.2 | 17 |
| 112 | Preparation, characterization, and photocatalytic activity of CdV ₂ O ₆ nanorods decorated g-C ₃ N ₄ composite. <i>Journal of Molecular Catalysis A</i> , 2016, 423, 240-247. | 4.8 | 16 |
| 113 | A novel protocol for the oxidative degradation of chitosan with hydrogen peroxide catalyzed by peroxomolybdate in aqueous solution. <i>RSC Advances</i> , 2013, 3, 12049. | 1.7 | 15 |
| 114 | Preparation and photocatalytic activity of graphene-modified Ag ₂ S composite. <i>Journal of Experimental Nanoscience</i> , 2016, 11, 433-444. | 1.3 | 15 |
| 115 | Photodegradation of acetone by visible light-responsive V ₂ O ₅ /EuVO ₄ composite. <i>Catalysis Today</i> , 2010, 158, 209-214. | 2.2 | 14 |
| 116 | Preparation and photocatalytic property of Sr _{0.25} Bi _{0.75} O _{1.36} photocatalyst. <i>Materials Letters</i> , 2012, 74, 170-172. | 1.3 | 13 |
| 117 | Photocatalytic Degradation of Acetone over Sulfated MoO _x /MgF ₂ Composite: Effect of Molybdenum Concentration and Calcination Temperature. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 7109-7119. | 1.8 | 12 |
| 118 | Self-template synthesis of PbS nanodendrites and its photocatalytic performance. <i>Journal of Alloys and Compounds</i> , 2011, 509, 9356-9362. | 2.8 | 12 |
| 119 | The effect of pH value on the synthesis and photocatalytic performance of MnWO ₄ nanostructure by hydrothermal method. <i>Journal of Experimental Nanoscience</i> , 2012, 7, 390-398. | 1.3 | 11 |
| 120 | Facile and rapid preparation of hexagonal boron nitride via microwave heating method and its application in photocatalytic H ₂ evolution. <i>Materials Letters</i> , 2020, 266, 127477. | 1.3 | 10 |
| 121 | Preparation, characterization and photocatalytic activity of graphene doped SmVO ₄ photocatalyst. <i>Materials Letters</i> , 2014, 122, 17-20. | 1.3 | 9 |
| 122 | Impacts of morphology on fouling propensity in a membrane bioreactor based on thermodynamic analyses. <i>Journal of Colloid and Interface Science</i> , 2018, 531, 282-290. | 5.0 | 9 |
| 123 | Visible light-induced degradation of acetone over SO ₄ ²⁻ /MoO _x /MgF ₂ catalysts. <i>Journal of Hazardous Materials</i> , 2009, 168, 551-554. | 6.5 | 8 |
| 124 | Promotive effect of Bi component on propane partial oxidation over MoBiTeO _x /SiO ₂ catalysts. <i>Journal of Molecular Catalysis A</i> , 2010, 331, 1-6. | 4.8 | 8 |
| 125 | Ni-Ag-O as catalyst for a novel one-step reaction to convert ethane to ethylene oxide. <i>Catalysis Today</i> , 2010, 158, 258-262. | 2.2 | 8 |
| 126 | Barium calcium titanate @carbon hybrid materials for high-efficiency room-temperature photocatalysis. <i>Ceramics International</i> , 2022, 48, 10498-10505. | 2.3 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Catalytic combustion of toluene on Pd/Ce x La ^{1-x} O ₂ /monolith catalysts. Reaction Kinetics, Mechanisms and Catalysis, 2011, 103, 419-429. | 0.8 | 6 |
| 128 | Convenient and Stereoselective Synthesis of Symmetrical (E)-Stilbenes via Homocoupling of 1,3-Dibenzylbenzotriazolium Bromides. Synlett, 2011, 2011, 1731-1734. | 1.0 | 5 |
| 129 | Thermodynamic insights into membrane fouling in a membrane bioreactor: Evaluating thermodynamic interactions with Gaussian membrane surface. Journal of Colloid and Interface Science, 2018, 527, 280-288. | 5.0 | 5 |
| 130 | Preparation and structure of nanostructured Ti-Ni-O with modified low temperature sol-gel route. Materials Letters, 2005, 59, 3106-3108. | 1.3 | 4 |
| 131 | Preparation and photocatalytic performance of Ag/AgCl-modified cubic ZHS hollow particles. Journal of Materials Research, 2014, 29, 1175-1182. | 1.2 | 4 |
| 132 | Preparation of AgBr/DyVO ₄ composite and its excellent photocatalytic activity in RhB degradation under visible light. Research on Chemical Intermediates, 2018, 44, 5153-5167. | 1.3 | 4 |
| 133 | Facile synthesis of strontium molybdate coupled g-C ₃ N ₄ composite for effective tetracycline and dyes degradation under visible light. Advanced Powder Technology, 2022, 33, 103573. | 2.0 | 4 |
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