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Enhancement of visible-light photocatalytic efficiency of BiOCl/Bi<sub>2</sub>O<sub>3</sub> by surface modification with WO<sub>3</sub>

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Applied Catalysis A: General, 2011, 407, 217-223.

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| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 48 | First-principles investigation of impurity concentration influence on bonding behavior, electronic structure and visible light absorption for Mn-doped BiOCl photocatalyst. <i>Physica B: Condensed Matter</i> , <b>2012</b> , 407, 4416-4424  | 2.8  | 35        |
| 47 | Preparation and characterization of WO <sub>3</sub> /Bi <sub>3</sub> O <sub>4</sub> Cl nanocomposite and its photocatalytic behavior under visible light irradiation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2012</b> , 106, 83-98  | 1.6  | 45        |
| 46 | One-pot solvothermal syntheses of ternary heterostructured TiO <sub>2</sub> Bi <sub>2</sub> MoO <sub>6</sub> /Bi <sub>3.64</sub> Mo <sub>0.36</sub> O <sub>6.55</sub> controllable in terms of composition, morphology and structure: Materials of high visible-light driven photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 140-141, 608-618 | 21.8 | 56        |
| 45 | Improved visible light photocatalytic properties of Fe/BiOCl microspheres synthesized via self-doped reactable ionic liquids. <i>CrystEngComm</i> , <b>2013</b> , 15, 10132  | 3.3  | 74        |
| 44 | DFT+U predictions: The effect of oxygen vacancy on the structural, electronic and photocatalytic properties of Mn-doped BiOCl. <i>Computational Materials Science</i> , <b>2013</b> , 71, 135-145  | 3.2  | 52        |
| 43 | A novel BiOCl thin film prepared by electrochemical method and its application in photocatalysis. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 132-133, 332-341   | 21.8 | 126       |
| 42 | Efficient adsorption and photocatalytic pceerformance of flower-like three-dimensional (3D) I-doped BiOClBr photocatalyst. <i>Catalysis Communications</i> , <b>2013</b> , 36, 25-30   | 3.2  | 39        |
| 41 | Synthesis of In <sub>2</sub> O <sub>3</sub> /BiOCl Composite Photocatalyst and its Photocatalytic Activity for the Degradation of Rhodamine B under Visible Light Irradiation. <i>Advanced Materials Research</i> , <b>2013</b> , 747, 635-638   | 0.5  | 2         |
| 40 | Engineering BiOX (X = Cl, Br, I) nanostructures for highly efficient photocatalytic applications. <i>Nanoscale</i> , <b>2014</b> , 6, 2009-26  | 7.7  | 861       |
| 39 | In situ synthesis of uniform Fe <sub>2</sub> O <sub>3</sub> /BiOCl p/n heterojunctions and improved photodegradation properties for mixture dyes. <i>Dalton Transactions</i> , <b>2014</b> , 43, 13742-50  | 4.3  | 36        |
| 38 | Photodegradation of organic dyes with anatase TiO <sub>2</sub> nanoparticles-loaded BiOCl nanosheets with exposed {001} facets under simulated solar light. <i>Materials Chemistry and Physics</i> , <b>2014</b> , 147, 1146-1156  | 4.4  | 30        |
| 37 | Uniform Fe <sub>2</sub> O <sub>3</sub> nanocubes on BiOCl nanosheets and its improved photocatalytic activity. <i>Journal of Molecular Catalysis A</i> , <b>2014</b> , 395, 428-433  |      | 15        |
| 36 | Preparation of WO <sub>3</sub> /TiO <sub>2</sub> /In <sub>2</sub> O <sub>3</sub> composite structures and their enhanced photocatalytic activity under visible light irradiation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2014</b> , 111, 371-382  | 1.6  | 7         |
| 35 | Synthesis of heterostructured In <sub>2</sub> O <sub>3</sub> /BiOCl powders and their visible-light-driven photocatalytic activity for the degradation of Rhodamine B. <i>Advanced Powder Technology</i> , <b>2014</b> , 25, 1292-1303   | 4.6  | 18        |
| 34 | Co <sub>3</sub> O <sub>4</sub> nanoparticles-loaded BiOCl nanoplates with the dominant {001} facets: efficient photodegradation of organic dyes under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 152-153, 425-436  | 21.8 | 117       |
| 33 | BiOCl/SnS <sub>2</sub> hollow spheres for the photocatalytic degradation of waste water. <i>RSC Advances</i> , <b>2015</b> , 5, 107088-107097  | 3.7  | 25        |
| 32 | Synthesis of BiYO <sub>3</sub> nanorods with visible-light photocatalytic activity for the degradation of tetracycline. <i>Materials Letters</i> , <b>2015</b> , 161, 45-48  | 3.3  | 23        |

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|----|--|------|-----|
| 31 | Synthesis and visible photocatalytic activity of new photocatalyst MBi <sub>2</sub> O <sub>4</sub> (M = Cu, Zn). <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 1866-1873   | 2.1  | 18  |
| 30 | Bi <sub>2</sub> O <sub>3</sub> nanorods: An efficient sunlight active photocatalyst for degradation of Rhodamine B and 2,4,6-trichlorophenol. <i>Ceramics International</i> , <b>2015</b> , 41, 3355-3364  | 5.1  | 116 |
| 29 | In situ photogenerated defects on surface-complex BiOCl (0 1 0) with high visible-light photocatalytic activity: A probe to disclose the charge transfer in BiOCl (0 1 0)/surface-complex system. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 163, 205-213 | 21.8 | 48  |
| 28 | Bismuth Oxyhalide Nano- and Microstructures: Morphology Modulation and Functionalization. <i>Nanostructure Science and Technology</i> , <b>2016</b> , 325-340  | 0.9  |     |
| 27 | Preparation and photocatalytic activity of porous Bi <sub>2</sub> O <sub>3</sub> polymorphisms. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 7388-7392  | 6.7  | 31  |
| 26 | Formation of BiOCl/Bi <sub>2</sub> O <sub>3</sub> and Related Materials for Efficient Visible-Light Photocatalysis. <i>Nanostructure Science and Technology</i> , <b>2016</b> , 405-427  | 0.9  |     |
| 25 | Effect of Surface Defect States on Valence Band and Charge Separation and Transfer Efficiency. <i>Scientific Reports</i> , <b>2016</b> , 6, 32457  | 4.9  | 65  |
| 24 | Preparation and photocatalytic performance of the Mn/BiOCl albizia flower. <i>Research on Chemical Intermediates</i> , <b>2016</b> , 42, 7031-7043   | 2.8  | 5   |
| 23 | Fabrication and photocatalytic performances of BiOCl nanosheets modified with ultrafine Bi <sub>2</sub> O <sub>3</sub> nanocrystals. <i>RSC Advances</i> , <b>2016</b> , 6, 63241-63249  | 3.7  | 9   |
| 22 | CO <sub>2</sub> mediated approach to fabricate the visible-light-responsive mesoporous structured carbon/bismuth oxide composites. <i>Applied Catalysis A: General</i> , <b>2016</b> , 521, 104-110  | 5.1  | 4   |
| 21 | Ag doped Bi <sub>2</sub> O <sub>2.33</sub> microrods: photocatalytic activity investigation. <i>RSC Advances</i> , <b>2016</b> , 6, 25409-25415  | 3.7  | 13  |
| 20 | Highly efficient and visible light driven Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> @PANI modified BiOCl heterocomposite catalyst for water remediation. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 211, 305-322                 | 21.8 | 34  |
| 19 | Fabrication of hollow mesoporous SiO <sub>2</sub> -BiOCl@PANI@Pd photocatalysts to improve the photocatalytic performance under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 213, 136-146  | 21.8 | 49  |
| 18 | Heterojunction YBiO <sub>3</sub> Bi <sub>2</sub> O <sub>3</sub> : synthesis, characterisation, and its highly photocatalytic activity under visible light. <i>Materials Technology</i> , <b>2017</b> , 32, 695-700   | 2.1  | 3   |
| 17 | Synthesizing Bi <sub>2</sub> O <sub>3</sub> /BiOCl heterojunctions by partial conversion of BiOCl. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 2117-2130   | 4.3  | 38  |
| 16 | Preparation and Photocatalytic Properties of a Hierarchical BiOCl/BiOF Composite Photocatalyst. <i>Catalysis Letters</i> , <b>2018</b> , 148, 1281-1288  | 2.8  | 18  |
| 15 | Reactable polyelectrolyte-assisted preparation of flower-like Ag/AgCl/BiOCl composite with enhanced photocatalytic activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 350, 94-102  | 4.7  | 31  |
| 14 | Preparation of CdS/BiOCl/Bi <sub>2</sub> O <sub>3</sub> double composite system for visible light active photocatalytic applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 364, 159-168  | 4.7  | 13  |

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|----|--|------|----|
| 13 | Fabrication of BiOI/MoS <sub>2</sub> heterojunction photocatalyst with different treatment methods for enhancing photocatalytic performance under visible-light. <i>Materials Research Bulletin</i> , <b>2019</b> , 120, 110579 <sup>5.1</sup>                                   | 5.1  | 26 |
| 12 | UV-Improved Removal of Chloride Ions from Strongly Acidic Wastewater Using BiO: Efficiency Enhancement and Mechanisms. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 10371-10378   | 10.3 | 14 |
| 11 | Facile synthesis of three-dimensional WO <sub>3</sub> -x/Bi/BiOCl hierarchical heterostructures with broad spectrum driven photocatalytic activity. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 806, 418-427  | 5.7  | 29 |
| 10 | Design of visible-light photocatalysts by coupling of inorganic semiconductors. <i>Catalysis Today</i> , <b>2019</b> , 335, 3-19   | 5.3  | 26 |
| 9  | Surface decoration of BiOCl with BiVO <sub>4</sub> particles towards enhanced visible-light-driven photocatalytic performance. <i>Materials Research Express</i> , <b>2019</b> , 6, 045512   | 1.7  | 0  |
| 8  | Removal and recovery of chloride ions in concentrated leachate by Bi(III) containing oxides quantum dots/two-dimensional flakes. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 382, 121041   | 12.8 | 12 |
| 7  | One-pot controllable synthesis of BiOBr/Bi <sub>2</sub> O <sub>3</sub> nanocomposites with enhanced photocatalytic degradation of norfloxacin under simulated solar irradiation. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 816, 152664                              | 5.7  | 20 |
| 6  | Preparation of Hollow Flower-Like Microspherical BiO/BiOCl Heterojunction and High Photocatalytic Property for Tetracycline Hydrochloride Degradation. <i>Nanomaterials</i> , <b>2019</b> , 10,  | 5.4  | 20 |
| 5  | Visible-light responsive novel WO <sub>3</sub> /TiO <sub>2</sub> and Au loaded WO <sub>3</sub> /TiO <sub>2</sub> nanocomposite and wastewater remediation: Mechanistic inside and photocatalysis pathway. <i>Journal of Water Process Engineering</i> , <b>2020</b> , 36, 101256 | 6.7  | 15 |
| 4  | Enhancing the photocatalytic efficiency of the BiOCl/Bi <sub>3</sub> O <sub>4</sub> Cl composite modified with WO <sub>3</sub> for environmental purification under visible light. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 17617-17629                               | 3.6  | 2  |
| 3  | Synthesis, Functional Modifications, and Diversified Applications of Hybrid BiOCl-Based Heterogeneous Photocatalysts: A Review. <i>Crystal Growth and Design</i> ,   | 3.5  | 9  |
| 2  | Photocatalytic degradation activity and pathways of moxifloxacin over metal ion-doped Bi <sub>2</sub> O <sub>3</sub> nanofibres prepared via electrospinning. <i>Applied Surface Science</i> , <b>2021</b> , 151757  | 6.7  | 2  |
| 1  | Thermally induced oxygen vacancies in BiOCl nanosheets and their impact on photoelectrochemical performance.   |      | 0  |