

Surface Phases and Photocatalytic Activity Correlation  
 $\text{Bi}_2\text{O}_3/\text{Bi}_2\text{O}_3$

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Enhanced Photocatalytic Activity in Anatase/TiO <sub>2</sub> (B) Core-Shell Nanofiber. Journal of Physical Chemistry C, 2008, 112, 20539-20545.	3.1	181
2	Experimental Study on Photocatalytic Activity of Cu <sub>2</sub> O/Cu Nanocomposites Under Visible Light. Catalysis Letters, 2009, 132, 75-80.	2.6	61
3	Synthesis, characterization and photocatalytic activity of NiO-Bi <sub>2</sub> O <sub>3</sub> nanocomposites. Chemical Physics Letters, 2009, 472, 212-216.	2.6	94
4	Photocatalytic activity of zinc modified Bi <sub>2</sub> O <sub>3</sub> . Chemical Physics Letters, 2009, 483, 254-261.	2.6	90
5	Sm <sup>3+</sup> -Doped Bi <sub>2</sub> O <sub>3</sub> Photocatalyst Prepared by Hydrothermal Synthesis. ChemCatChem, 2009, 1, 492-496.	3.7	83
6	Photocatalytic decolourization of dyes on NiO-ZnO nano-composites. Photochemical and Photobiological Sciences, 2009, 8, 677-682.	2.9	97
7	A novel visible-light-sensitive strontium carbonate photocatalyst with high photocatalytic activity. Catalysis Communications, 2009, 10, 1565-1568.	3.3	28
8	Preparation of Bismuth Oxide Quantum Dots and their Photocatalytic Activity in a Homogeneous System. ChemCatChem, 2010, 2, 1115-1121.	3.7	31
9	Synthesis, characterization and photocatalytic performance of transition metal tungstates. Chemical Physics Letters, 2010, 498, 113-119.	2.6	173
10	Photophysical and photocatalytic properties of Bi <sub>2</sub> MNbO <sub>7</sub> (M=Al, In, Ga, Fe) thin films prepared by dip-coating. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 174, 196-199.	3.5	25
11	Improved structural stability of titanium-doped Bi <sub>2</sub> O <sub>3</sub> during visible-light-activated photocatalytic processes. Journal of Materials Science, 2010, 45, 1385-1392.	3.7	105
12	Preparation and visible light photocatalytic activity of Bi <sub>2</sub> O <sub>3</sub> /CaO photocatalysts. Reaction Kinetics, Mechanisms and Catalysis, 2010, 99, 235.	1.7	6
13	Citric acid assisted solvothermal synthesis of BiFeO <sub>3</sub> microspheres with high visible-light photocatalytic activity. Journal of Molecular Catalysis A, 2010, 331, 15-20.	4.8	159
14	Synthesis of ZnWO <sub>4</sub> nanorods with [100] orientation and enhanced photocatalytic properties. Applied Catalysis B: Environmental, 2010, 100, 173-178.	20.2	103
15	New Photocatalyst Electrodes and Their Photocatalytic Degradation Properties of Organics. Current Organic Chemistry, 2010, 14, 709-727.	1.6	4
16	Synthesis of bismuth vanadate nanoplates with exposed {001} facets and enhanced visible-light photocatalytic properties. Chemical Communications, 2010, 46, 1893-1895.	4.1	489
17	MoO <sub>3</sub> and Cu <sub>0.33</sub> MoO <sub>3</sub> nanorods for unprecedented UV/Visible light photocatalysis. Chemical Communications, 2010, 46, 4324.	4.1	69
18	Photocatalytic degradation of rhodamine B and phenol by solution combustion synthesized BiVO <sub>4</sub> photocatalyst. Catalysis Communications, 2010, 11, 982-986.	3.3	129

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19	One-Step Synthesis of the Nanostructured AgI/BiOI Composites with Highly Enhanced Visible-Light Photocatalytic Performances. <i>Langmuir</i> , 2010, 26, 6618-6624.	3.5	543
20	Influence of operational parameters on photodegradation of Acid Black 1 with ZnO. <i>Desalination and Water Treatment</i> , 2010, 24, 132-139.	1.0	92
21	Chromium-doped bismuth titanate nanosheets as enhanced visible-light photocatalysts with a high percentage of reactive {110} facets. <i>Journal of Materials Chemistry</i> , 2011, 21, 7296.	6.7	63
22	Preparation and modification of hierarchical nanostructured Bi <sub>2</sub> WO <sub>6</sub> with high visible light-induced photocatalytic activity. <i>Nanotechnology</i> , 2011, 22, 265601.	2.6	58
23	Photocatalytic Activity of Bi <sub>2</sub> O <sub>3</sub> ; Prepared by Different pH Value. <i>Advanced Materials Research</i> , 0, 418-420, 554-557.	0.3	2
24	Hierarchical Bi <sub>7</sub> O <sub>9</sub> I <sub>3</sub> micro/nano-architecture: facile synthesis, growth mechanism, and high visible light photocatalytic performance. <i>RSC Advances</i> , 2011, 1, 1099.	3.6	152
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26	Simple and template-free method for preparation of (ZnO) <sub>1-x</sub> [Cd(OH) <sub>2</sub> ] <sub>x</sub> nanoparticles in water and their photocatalytic activities. <i>Environmental Technology (United Kingdom)</i> , 2011, 32, 1735-1741.	2.2	1
27	The {001} facets-dependent high photoactivity of BiOCl nanosheets. <i>Chemical Communications</i> , 2011, 47, 6951.	4.1	580
28	Chemical etching preparation of BiOI/Bi <sub>2</sub> O <sub>3</sub> heterostructures with enhanced photocatalytic activities. <i>Catalysis Communications</i> , 2011, 12, 660-664.	3.3	168
29	Fabrication of mesh-like bismuth oxide single crystalline nanoflakes and their visible light photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2011, 509, 2588-2596.	5.5	101
30	Preparation of bismuth oxyiodides and oxides and their photooxidation characteristic under visible/UV light irradiation. <i>Materials Research Bulletin</i> , 2011, 46, 140-146.	5.2	79
31	Hydrothermal synthesis and photoluminescence properties of SrCO <sub>3</sub> . <i>Materials Letters</i> , 2011, 65, 766-768.	2.6	38
32	Î <sup>2-</sup> - and Î <sup>±</sup> -Bi <sub>2</sub> O <sub>3</sub> nanoparticles synthesized via microwave-assisted method and their photocatalytic activity towards the degradation of rhodamine B. <i>Materials Letters</i> , 2011, 65, 988-990.	2.6	86
33	Facile Synthesis of Bi <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> ~N and its Direct Solar~Light~Driven Photocatalytic Selective Hydroxylation of Phenol. <i>ChemCatChem</i> , 2011, 3, 311-318.	3.7	28
34	Photoelectrochemical Hydrogen Production from Aqueous Solution Containing Cyanide Using Bi <sub>2</sub> MnNbO <sub>7</sub> (M = Al, Fe, Ga, In) Films on Stainless Steel as Photoanodes. <i>Topics in Catalysis</i> , 2011, 54, 244-249.	2.8	10
35	Generation and photocatalytic activities of Bi@Bi <sub>2</sub> O <sub>3</sub> microspheres. <i>Nano Research</i> , 2011, 4, 470-482.	10.4	204
36	Self~Assembled 3D Flowerlike Hierarchical Fe <sub>3</sub> O <sub>4</sub> @Bi <sub>2</sub> O <sub>3</sub> Core~Shell Architectures and Their Enhanced Photocatalytic Activity under Visible Light. <i>Chemistry - A European Journal</i> , 2011, 17, 4802-4808.	3.3	130

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38	Methods to improve the photocatalytic activity of immobilized ZnO/Bi <sub>2</sub> O <sub>3</sub> composite. Applied Catalysis A: General, 2011, 402, 80-86.	4.3	34
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41	Photoelectrocatalytic degradation of organic contaminants at Bi <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> nanotube array electrode. Applied Surface Science, 2011, 257, 4621-4624.	6.1	69
42	Preparation and visible light photocatalytic activity of Bi <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> WO <sub>6</sub> heterojunction photocatalysts. Journal of Solid State Chemistry, 2011, 184, 1977-1982.	2.9	125
43	Synthesis and Photocatalytic Properties of One-Dimensional Composite - Nanowires. International Journal of Photoenergy, 2012, 2012, 1-5.	2.5	3
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50	UV-induced formation of activated Bi <sub>2</sub> O <sub>3</sub> nanoflake: an enhanced visible light driven photocatalyst by platinum loading. RSC Advances, 2012, 2, 103-106.	3.6	24
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53	Hollow peanut-like m-BiVO <sub>4</sub> : facile synthesis and solar-light-induced photocatalytic property. CrystEngComm, 2012, 14, 4217.	2.6	59
54	Fabrication of Bi <sup>3+</sup> -doped ZnO with enhanced photocatalytic performance. Applied Surface Science, 2012, 258, 4929-4933.	6.1	86

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55	Preparation of Bi <sub>2</sub> O <sub>3</sub> @Bi <sub>2</sub> S <sub>3</sub> core-shell nanoparticle assembled thin films and their photoelectrochemical and photoresponsive properties. Journal of Electroanalytical Chemistry, 2012, 665, 58-62.	3.8	19
56	MoO <sub>3</sub> -MWCNT nanocomposite photocatalyst with control of light-harvesting under visible light and natural sunlight irradiation. Journal of Materials Chemistry, 2012, 22, 20549.	6.7	22
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58	Crystalline metallic Au nanoparticle-loaded $\beta$ -Bi <sub>2</sub> O <sub>3</sub> microrods for improved photocatalysis. Physical Chemistry Chemical Physics, 2012, 14, 12114.	2.8	114
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60	Ag <sub>2</sub> O-Bi <sub>2</sub> O <sub>3</sub> composites: synthesis, characterization and high efficient photocatalytic activities. CrystEngComm, 2012, 14, 5705.	2.6	44
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68	Microemulsion Synthesis, Characterization of Highly Visible Light Responsive Rare Earth-Doped Bi <sub>2</sub> O <sub>3</sub> . Photochemistry and Photobiology, 2012, 88, 1205-1210.	2.5	45
69	Luminescence and Raman study of $\beta$ -Bi <sub>2</sub> O <sub>3</sub> ceramics. Materials Chemistry and Physics, 2012, 133, 559-564.	4.0	64
70	Bismuth oxide photocatalytic nanostructures produced by magnetron sputtering deposition. Thin Solid Films, 2012, 520, 6118-6123.	1.8	54
71	Facile Fabrication of Porous Bi <sub>2</sub> O <sub>3</sub> Microspheres by Thermal Treatment of Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> Microspheres and its Photocatalysis Properties. Journal of Cluster Science, 2013, 24, 829-841.	3.3	31
72	Au@TiO <sub>2</sub> -CdS Ternary Nanostructures for Efficient Visible-Light-Driven Hydrogen Generation. ACS Applied Materials & Interfaces, 2013, 5, 8088-8092.	8.0	177
73	In situ synthesis of $\beta$ - $\gamma$ phase heterojunction on Bi <sub>2</sub> O <sub>3</sub> nanowires with exceptional visible-light photocatalytic performance. Applied Catalysis B: Environmental, 2013, 142-143, 504-511.	20.2	263

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75	Enhanced photocatalytic activity of Fe <sub>2</sub> O <sub>3</sub> decorated Bi <sub>2</sub> O <sub>3</sub> . Applied Surface Science, 2013, 284, 527-532.	6.1	51
76	Solar light photocatalysis using Bi <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> SiO <sub>5</sub> nanoheterostructures formed in mesoporous SiO <sub>2</sub> microspheres. CrystEngComm, 2013, 15, 10043.	2.6	26
77	The study of optical band edge property of bismuth oxide nanowires Bi <sub>2</sub> O <sub>3</sub> . Optics Express, 2013, 21, 11965.	3.4	96
78	Bi <sub>2</sub> O <sub>3</sub> microcrystals and microrods: Thermal synthesis, structural and luminescence properties. Journal of Alloys and Compounds, 2013, 548, 188-193.	5.5	50
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84	Template-free synthesis of 3D Nb <sub>3</sub> O <sub>7</sub> F hierarchical nanostructures and enhanced photocatalytic activities. Physical Chemistry Chemical Physics, 2013, 15, 3249.	2.8	41
85	Three-dimensional Z-scheme AgCl/Ag <sub>2</sub> CrO <sub>4</sub> /TaON heterostructural hollow spheres for enhanced visible-light photocatalytic performance. Applied Catalysis B: Environmental, 2013, 142-143, 579-589.	20.2	89
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87	Hierarchical metastable Bi <sub>2</sub> O <sub>3</sub> hollow structures for efficient visible-light water splitting. Energy and Environmental Science, 2013, 6, 2134.	30.8	104
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90	Enhanced Visible Light Photocatalysis of Bi <sub>2</sub> O <sub>3</sub> upon Fluorination. Journal of Physical Chemistry C, 2013, 117, 20029-20036.	3.1	159
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93	Density functional study of the stability of various $\text{Bi}_2\text{O}_3$ surfaces. Journal of Chemical Physics, 2013, 138, 054703.	3.0	26
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95	Photocatalytic degradation of phenol using $\text{Au}/\text{Bi}_2\text{WO}_6$ composite microspheres under visible-light irradiation. Micro and Nano Letters, 2013, 8, 90-93.	1.3	23
96	Fabrication of Rh-doped $\text{Bi}_2\text{O}_3$ with Enhanced Photocatalytic Performance by Sol-gel Method. Journal of Advanced Oxidation Technologies, 2013, 16, .	0.5	1
97	A computational study on the photoelectric properties of various $\text{Bi}_2\text{O}_3$ polymorphs as visible-light driven photocatalysts. Journal of Molecular Modeling, 2014, 20, 2506.	1.8	26
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106	Enhanced photocatalytic performance of transition metal doped $\text{Bi}_2\text{O}_3$ nanoparticles under visible light irradiation. Ceramics International, 2014, 40, 101-107.	4.8	122
107	Synthesis, characterization and photocatalytic activity of $\text{Al}_2\text{O}_3\text{-TiO}_2$ based composites. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 125-134.	1.7	11
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112	Enhanced visible light photocatalytic activity of bismuth oxybromide lamellas with decreasing lamella thicknesses. Journal of Materials Chemistry A, 2014, 2, 8926-8932.	10.3	83
113	Plasmonic Z-scheme $\text{Bi}_2\text{O}_3\text{-Ag@AgCl}$ photocatalyst with enhanced visible-light photocatalytic performance. RSC Advances, 2014, 4, 41622-41630.	3.6	26
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120	A simple preparation of carbon doped porous Bi <sub>2</sub> O <sub>3</sub> with enhanced visible-light photocatalytic activity. Journal of Alloys and Compounds, 2014, 608, 44-48.	5.5	40
121	Mechanism of 2,4-dinitrophenol photocatalytic degradation by $\text{Bi}_2\text{O}_3\text{-Bi}_2\text{MoO}_6$ composites under solar and visible light irradiation. Chemical Engineering Journal, 2014, 251, 371-380.	12.7	68
122	Effects of bismuth addition and photo-deposition of platinum on (surface) composition, morphology and visible light photocatalytic activity of sol-gel derived TiO <sub>2</sub> . Applied Catalysis B: Environmental, 2014, 154-155, 153-160.	20.2	18
123	Fabrication of Bi <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> nanocomposites and their applications to the degradation of pollutants in air and water under visible-light. Journal of Environmental Sciences, 2014, 26, 458-465.	6.1	39
124	Hydrothermal route to metastable phase FeVO <sub>4</sub> ultrathin nanosheets with exposed {010} facets: synthesis, photocatalysis and gas-sensing. CrystEngComm, 2014, 16, 270-276.	2.6	49
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128	Enhanced Visible-active Performance of Bi <sub>2</sub> O <sub>3</sub> Catalyst by ZnFe <sub>2</sub> O <sub>4</sub> Combination. Journal of Advanced Oxidation Technologies, 2015, 18, .	0.5	0



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