

Highly Efficient Visible-Light-Induced Photocatalytic A AgI/TiO₂ Photocatalyst

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Monitoring catalytic degradation of dye molecules on silver-coated ZnO nanowire arrays by surface-enhanced Raman spectroscopy. <i>Journal of Materials Chemistry</i> , 2009, 19, 5547.	6.7	129
2	Electrodeposition and Photocatalytic Selectivity of ZnO/Methyl Blue Hybrid Thin Films. <i>Journal of Physical Chemistry C</i> , 2009, 113, 14279-14284.	1.5	27
3	A Multifunctional Biocide/Sporocide and Photocatalyst Based on Titanium Dioxide (TiO ₂) Codoped with Silver, Carbon, and Sulfur. <i>Langmuir</i> , 2010, 26, 2805-2810.	1.6	110
4	Preparation and characterization of p-n heterojunction photocatalyst p-CuBi ₂ O ₄ /n-TiO ₂ with high photocatalytic activity under visible and UV light irradiation. <i>Journal of Nanoparticle Research</i> , 2010, 12, 1355-1366.	0.8	83
5	Floating photocatalysts of fly-ash cenospheres supported AgCl/TiO ₂ films with enhanced Rhodamine B photodecomposition activity. <i>Desalination</i> , 2010, 256, 196-200.	4.0	98
6	New Photocatalyst Electrodes and Their Photocatalytic Degradation Properties of Organics. <i>Current Organic Chemistry</i> , 2010, 14, 709-727.	0.9	4
7	Plasmon-Induced Photodegradation of Toxic Pollutants with Ag ⁺ /AgI/Al ₂ O ₃ under Visible-Light Irradiation. <i>Journal of the American Chemical Society</i> , 2010, 132, 857-862.	6.6	541
8	One-Step Synthesis of the Nanostructured AgI/BiOI Composites with Highly Enhanced Visible-Light Photocatalytic Performances. <i>Langmuir</i> , 2010, 26, 6618-6624.	1.6	543
9	Fabrication of Rattle-Type TiO ₂ /SiO ₂ Core/Shell Particles with Both High Photoactivity and UV-Shielding Property. <i>Langmuir</i> , 2010, 26, 11391-11396.	1.6	88
10	Formation of AgI/TiO ₂ nanocomposite leads to excellent thermochromic reversibility and photostability. <i>Journal of Materials Chemistry</i> , 2011, 21, 9263.	6.7	70
11	Preparation and visible light photocatalytic activity of Ag/TiO ₂ /graphene nanocomposite. <i>Nanoscale</i> , 2011, 3, 4411.	2.8	362
12	Realizing Visible-Light-Induced Self-Cleaning Property of Cotton through Coating N-TiO ₂ Film and Loading AgI Particles. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 4770-4774.	4.0	111
13	Enhancing visible-light activity of the self-cleaning TiO ₂ -coated cotton fabrics by loading AgI particles. <i>Surface and Coatings Technology</i> , 2011, 206, 1175-1179.	2.2	33
14	H ₂ WO ₄ ·H ₂ O/Ag/AgCl Composite Nanoplates: A Plasmonic Z-Scheme Visible-Light Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14648-14655.	1.5	255
15	Photocatalytic behavior of PdCl ₂ -modified nanostructured AgI/TiO ₂ photocatalyst. <i>Rare Metals</i> , 2011, 30, 131-134.	3.6	16
16	Nanostructured AgBr loaded TiO ₂ : An efficient sunlight active photocatalyst for degradation of Reactive Red 120. <i>Chemistry Central Journal</i> , 2011, 5, 46.	2.6	38
17	Preparation and Photocatalytic Activity of Ag@AgCl Modified natase TiO ₂ Nanotubes. <i>Chinese Journal of Catalysis</i> , 2011, 32, 36-45.	6.9	29
18	Ag ₂ O as a New Visible-Light Photocatalyst: Self-Stability and High Photocatalytic Activity. <i>Chemistry - A European Journal</i> , 2011, 17, 7777-7780.	1.7	423

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20	Visible light photocatalytic activities of plasmonic Ag/AgBr particles synthesized by a double jet method. <i>Desalination</i> , 2011, 270, 174-180.	4.0	107
21	Effects of monometallic and bimetallic Au@Ag supported on sol-gel TiO ₂ on photocatalytic degradation of 4-chlorophenol and its intermediates. <i>Desalination</i> , 2011, 272, 154-163.	4.0	46
22	In situ anion-exchange synthesis and photocatalytic activity of Ag ₈ W ₄ O ₁₆ /AgCl-nanoparticle core-shell nanorods. <i>Journal of Molecular Catalysis A</i> , 2011, 334, 52-59.	4.8	80
23	Synthesis, characterization and photocatalytic activity of AgBr/H ₂ WO ₄ composite photocatalyst. <i>Journal of Molecular Catalysis A</i> , 2011, 344, 138-144.	4.8	87
24	In situ formation of large-scale Ag/AgCl nanoparticles on layered titanate honeycomb by gas phase reaction for visible light degradation of phenol solution. <i>Applied Catalysis B: Environmental</i> , 2011, 106, 577-585.	10.8	182
25	Preparation, characterization and visible-light photocatalytic activity of AgI/AgCl/TiO ₂ . <i>Applied Surface Science</i> , 2011, 257, 7083-7089.	3.1	113
26	Photocatalytic activity of novel AgBr/WO ₃ composite photocatalyst under visible light irradiation for methyl orange degradation. <i>Journal of Hazardous Materials</i> , 2011, 190, 700-706.	6.5	117
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29	Photocatalytic activity enhancement of TiO ₂ porous thin film due to homogeneous surface modification of RuO ₂ . <i>Journal of Materials Research</i> , 2011, 26, 1532-1538.	1.2	11
30	AgBr-Coupled TiO ₂ : A Visible Heterostructured Photocatalyst for Degrading Dye Pollutants. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-7.	1.4	4
31	Removal of an organic pollutant from waste water by photocatalytic behavior of AgX/TiO ₂ loaded on mordenite nanocrystals. <i>Research on Chemical Intermediates</i> , 2012, 38, 1975-1985.	1.3	24
32	Sonochemistry synthesis of nanocrystals embedded in a MoO ₃ @CdS core-shell photocatalyst with enhanced hydrogen production and photodegradation. <i>Journal of Materials Chemistry</i> , 2012, 22, 19646.	6.7	40
33	The dependence of photocatalytic activity and photoinduced self-stability of photosensitive AgI nanoparticles. <i>Dalton Transactions</i> , 2012, 41, 10405.	1.6	87
34	Controllable synthesis of hexagon-shaped I ² -AgI nanoplates in reactable ionic liquid and their photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 410, 23-30.	2.3	58
35	Enhancement of methyl violet removal by modification of TiO ₂ nanoparticles with AgI. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 2124-2128.	2.9	36
36	Sonochemistry synthesis and enhanced photocatalytic H ₂ -production activity of nanocrystals embedded in CdS/ZnS/In ₂ S ₃ microspheres. <i>Nanoscale</i> , 2012, 4, 2010.	2.8	67

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42	Enhanced Photodegradation of Toxic Pollutants on Plasmonic Au@Ag/Al ₂ O ₃ Under Visible Irradiation. Catalysis Letters, 2012, 142, 646-654.	1.4	14
43	Photocatalytic activity of AgI sensitized ZnO nanoparticles under visible light irradiation. Powder Technology, 2012, 224, 331-337.	2.1	98
44	Study on Photocatalytic Performance of Ag - AgBr/RGO. Advanced Materials Research, 0, 662, 163-166.	0.3	2
45	In-situ ion exchange synthesis of hierarchical AgI/BiOI microsphere photocatalyst with enhanced photocatalytic properties. CrystEngComm, 2013, 15, 7556.	1.3	100
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54	Enhancement of photocatalytic self-cleaning activity and antimicrobial properties of poly(ethylene Tj ETQq1 1 0.784314 rgBT /Overlock	2.2	36

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59	From AgI/TiO ₂ to Ag/TiO ₂ : effects of the annealing temperature on the compositions, porous nanostructures, and visible-light photocatalytic properties. Ceramics International, 2013, 39, 1011-1019.	2.3	22
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61	Synthesis of three-dimensional AgI@TiO ₂ nanoparticles with improved photocatalytic performance. Dalton Transactions, 2013, 42, 8796.	1.6	68
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64	Visible-light-sensitive nanoscale Au-ZnO photocatalysts. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	35
65	Novel visible-light-driven AgX/graphite-like C ₃ N ₄ (X=Br, I) hybrid materials with synergistic photocatalytic activity. Applied Catalysis B: Environmental, 2013, 129, 182-193.	10.8	595
66	The simple hydrothermal synthesis of Ag-Zn-SnO ₂ nanochain and its multiple applications. Dalton Transactions, 2013, 42, 16365.	1.6	40
67	Preparation and Characterization of Highly Efficient and Stable Visible-Light-Responsive Photocatalyst AgBr/Ag ₃ PO ₄ . Journal of Nanomaterials, 2013, 2013, 1-11.	1.5	15
68	A Study on the Photocatalytic Degradation of Organophosphorous Pesticide Wastewater by the New Photocatalyst AgBr/TiO ₂ . Advanced Materials Research, 0, 641-642, 223-228.	0.3	0
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71	Development and Application of TiO ₂ Nanoparticles Coupled with Silver Halide. Journal of Nanomaterials, 2014, 2014, 1-5.	1.5	5
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75	A comparative study on the photocatalytic activities of two visible-light plasmonic photocatalysts: AgCl-SmVO ₄ and AgI-SmVO ₄ composites. <i>Applied Catalysis A: General</i> , 2014, 472, 143-151.	2.2	38
76	Catalytic degradation of dye molecules and in situ SERS monitoring by peroxidase-like Au/CuS composite. <i>Nanoscale</i> , 2014, 6, 8117.	2.8	81
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78	Non-toxic silver iodide (AgI) quantum dots sensitized solar cells. <i>Materials Research Bulletin</i> , 2014, 60, 38-45.	2.7	19
79	Preparation of Ag nanoparticles loaded TiO ₂ nanoplate arrays on activated carbon fibers with enhanced photocatalytic activity. <i>Catalysis Communications</i> , 2014, 53, 21-24.	1.6	28
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83	Light converting phosphor-based photocatalytic composites. <i>Catalysis Science and Technology</i> , 2015, 5, 4727-4740.	2.1	38
84	Synthesis and Composition-Dependent Visible Photocatalysis of Ag/AgBr Necklace-Like Heterostructures. <i>ChemPlusChem</i> , 2015, 80, 865-870.	1.3	7
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86	Synergistic effects of iodine and silver ions co-implanted in 6H-SiC. <i>Journal of Nuclear Materials</i> , 2015, 467, 582-587.	1.3	7
87	Fabrication of visible-light-responded calcium metasilicate-supported Ag@AgX/TiO ₂ (X = Cl, Br, I) composites and their photocatalytic properties. <i>Advanced Powder Technology</i> , 2015, 26, 1005-1012.	2.0	11
88	Photocatalytic reduction of CO ₂ coupled with selective alcohol oxidation under ambient conditions. <i>Catalysis Science and Technology</i> , 2015, 5, 4800-4805.	2.1	29
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92	Fabrication of a novel visible-light-driven photocatalyst Ag-AgI-TiO ₂ nanoparticles supported on carbon nanofibers. <i>Applied Surface Science</i> , 2015, 349, 241-250.	3.1	54
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97	Template-assisted synthesis of core-shell Fe ₂ O ₃ @TiO ₂ nanorods and their photocatalytic property. <i>Journal of Materials Science</i> , 2015, 50, 4083-4094.	1.7	43
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101	Porous Au-Ag Alloy Particles Inlaid AgCl Membranes As Versatile Plasmonic Catalytic Interfaces with Simultaneous, in Situ SERS Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 18491-18500.	4.0	51
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103	Enhancement of photocatalytic performance of plasmon-assisted metallic ion doped titania. <i>Solid State Sciences</i> , 2015, 49, 47-53.	1.5	3
104	Preparation of fiber-based plasmonic photocatalyst and its photocatalytic performance under the visible light. <i>Applied Catalysis B: Environmental</i> , 2015, 166-167, 287-294.	10.8	33
105	Efficient removal of radioactive iodide ions from water by three-dimensional Ag ₂ O-Ag/TiO ₂ composites under visible light irradiation. <i>Journal of Hazardous Materials</i> , 2015, 284, 171-181.	6.5	142
106	A study of mechanism and operational parameters on solar light-induced degradation of Reactive Red 120 dye with AgBr-loaded TiO ₂ . <i>Research on Chemical Intermediates</i> , 2015, 41, 1227-1241.	1.3	15
107	AgI/TiO ₂ nanocomposites: Ultrasound-assisted preparation, visible-light induced photocatalytic degradation of methyl orange and antibacterial activity. <i>Ultrasonics Sonochemistry</i> , 2015, 22, 1-6.	3.8	66
108	AgI/TiO ₂ nanobelts monolithic catalyst with enhanced visible light photocatalytic activity. <i>Journal of Hazardous Materials</i> , 2015, 284, 207-214.	6.5	87

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110	A Simple Method for the Preparation of TiO ₂ /Ag@AgCl@Polypyrrole Composite and Its Enhanced Visible-Light Photocatalytic Activity. <i>Chemistry - an Asian Journal</i> , 2016, 11, 141-147.	1.7	28
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112	Fabrication of AgI-TiO ₂ loaded on carbon nanofibers and its excellent recyclable and renewable performance in visible-light catalysis. <i>Journal of Molecular Catalysis A</i> , 2016, 420, 1-10.	4.8	25
113	AgI doped MIL-101 and its adsorption of iodine with high speed in solution. <i>Journal of Solid State Chemistry</i> , 2016, 237, 274-283.	1.4	69
114	Preparation and Photoelectrochemical Performance of Visible-Light Active AgI/TiO ₂ -NTs Composite with Rich I ² -AgI. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 4897-4904.	1.8	22
115	Efficient nitrogen removal by simultaneous photoelectrocatalytic oxidation and electrochemically active biofilm denitrification. <i>Electrochimica Acta</i> , 2016, 198, 165-173.	2.6	13
116	Synthesis of spindle-shaped AgI/TiO ₂ nanoparticles with enhanced photocatalytic performance. <i>Applied Surface Science</i> , 2016, 386, 337-344.	3.1	34
117	Preparation of Ag ₂ O/TiO ₂ /fly-ash cenospheres composite photocatalyst. <i>Materials Letters</i> , 2016, 183, 444-447.	1.3	12
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120	Carrier separation and charge transport characteristics of reduced graphene oxide supported visible-light active photocatalysts. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 5179-5191.	1.3	84
121	Facile synthesis of CNT/AgI with enhanced photocatalytic degradation and antibacterial ability. <i>RSC Advances</i> , 2016, 6, 6905-6914.	1.7	23
122	A novel Ag deposited nanocoordination polymer derived porous SnO ₂ /NiO heteronanostructure for the enhanced photocatalytic reduction of Cr(VI) under visible light. <i>New Journal of Chemistry</i> , 2016, 40, 3385-3394.	1.4	40
123	Plasmonic silver incorporated silver halides for efficient photocatalysis. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4336-4352.	5.2	121
124	Highly enhanced photocatalytic reduction of Cr(VI) on AgI/TiO ₂ under visible light irradiation: Influence of calcination temperature. <i>Journal of Hazardous Materials</i> , 2016, 307, 213-220.	6.5	90
125	Thiourea assisted hydrothermal synthesis of ZnS/CdS/Ag ₂ S nanocatalysts for photocatalytic degradation of Congo red under direct sunlight illumination. <i>RSC Advances</i> , 2016, 6, 4227-4236.	1.7	32
126	In situ growth of Ag/Ag ₂ O nanoparticles on g-C ₃ N ₄ by a natural carbon nanodot-assisted green method for synergistic photocatalytic activity. <i>RSC Advances</i> , 2016, 6, 3186-3197.	1.7	29

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128	A novel visible-light-driven photocatalyst Ag ₂ O/AgI with highly enhanced photocatalytic performances. <i>Journal of Alloys and Compounds</i> , 2017, 701, 163-169.	2.8	36
129	AgI nanoparticles-decorated CeO ₂ microsheets photocatalyst for the degradation of organic dye and tetracycline under visible-light irradiation. <i>Journal of Colloid and Interface Science</i> , 2017, 497, 368-377.	5.0	106
130	Bismuth oxychloride homogeneous phase junction BiOCl/Bi ₂ O ₃ with unselectively efficient photocatalytic activity and mechanism insight. <i>Applied Surface Science</i> , 2017, 420, 303-312.	3.1	90
131	Fabrication and characterization of Fe ₃ O ₄ @SiO ₂ @TiO ₂ @Ho nanostructures as a novel and highly efficient photocatalyst for degradation of organic pollution. <i>Journal of Energy Chemistry</i> , 2017, 26, 17-23.	7.1	196
132	Fabrication of sphere like plasmonic Ag/SnO ₂ photocatalyst for the degradation of phenol. <i>Optik</i> , 2017, 131, 754-763.	1.4	67
133	Fabrication of carbon nanotube-loaded TiO ₂ @AgI and its excellent performance in visible-light photocatalysis. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 476-483.	1.2	17
134	Magnetically separable Fe ₃ O ₄ @SiO ₂ @TiO ₂ nanostructures supported by neodymium(III): fabrication and enhanced photocatalytic activity for degradation of organic pollution. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 14271-14281.	1.1	33
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