

# Xiwen Zhang

## List of Publications by Year in descending order

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33  
papers

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623734

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552781

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Electrodeposited Ag nanoparticles on TiO <sub>2</sub> nanorods for enhanced UV visible light photoreduction CO <sub>2</sub> to CH <sub>4</sub> . Applied Surface Science, 2013, 277, 105-110.	6.1	95
2	Photoreduction of CO <sub>2</sub> using copper-decorated TiO <sub>2</sub> nanorod films with localized surface plasmon behavior. Chemical Physics Letters, 2012, 531, 149-154.	2.6	88
3	Plasmon enhanced photocatalytic and antimicrobial activities of Ag-TiO <sub>2</sub> nanocomposites under visible light irradiation prepared by DBD cold plasma treatment. Materials Science and Engineering C, 2019, 96, 197-204.	7.3	75
4	Product selectivity of visible-light photocatalytic reduction of carbon dioxide using titanium dioxide doped by different nitrogen-sources. Applied Surface Science, 2015, 355, 45-51.	6.1	59
5	Green synthesis of plasmonic Ag nanoparticles anchored TiO <sub>2</sub> nanorod arrays using cold plasma for visible-light-driven photocatalytic reduction of CO <sub>2</sub> . Journal of CO <sub>2</sub> Utilization, 2017, 20, 200-207.	6.8	56
6	In-situ and phase controllable synthesis of nanocrystalline TiO <sub>2</sub> on flexible cellulose fabrics via a simple hydrothermal method. Materials Research Bulletin, 2018, 97, 89-95.	5.2	34
7	Synthesis of Ag or Pt nanoparticle-deposited TiO <sub>2</sub> nanorods for the highly efficient photoreduction of CO <sub>2</sub> to CH <sub>4</sub> . Chemical Physics Letters, 2015, 639, 11-16.	2.6	25
8	The green synthesis of Ag-loaded photocatalyst via DBD cold plasma assisted deposition of Ag nanoparticles on N-doped TiO <sub>2</sub> nanotubes. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 382, 111971.	3.9	24
9	Double-potentiostatic electrodeposition of Ag nanoflowers on ITO glass for reproducible surface-enhanced (resonance) Raman scattering application. Electrochimica Acta, 2012, 67, 12-17.	5.2	22
10	A green synthetic approach for self-doped TiO <sub>2</sub> with exposed highly reactive facets showing efficient CO <sub>2</sub> photoreduction under simulated solar light. Green Chemistry, 2018, 20, 2084-2090.	9.0	20
11	Dual Dielectric Barrier Discharge Plasma Treatments for Synthesis of Ag-TiO <sub>2</sub> Functionalized Polypropylene Fabrics. Industrial & Engineering Chemistry Research, 2019, 58, 7734-7741.	3.7	20
12	Plasma enhanced decoration of nc-TiO <sub>2</sub> on electrospun PVDF fibers for photocatalytic application. Materials Research Bulletin, 2019, 111, 102-112.	5.2	20
13	TiO <sub>2</sub> surfaces self-doped with Ag nanoparticles exhibit efficient CO <sub>2</sub> photoreduction under visible light. RSC Advances, 2018, 8, 15991-15998.	3.6	19
14	Growth of crystallized titania from the cores of amorphous tetrabutyl titanate@PVDF nanowires. Journal of Materials Chemistry, 2012, 22, 18603.	6.7	15
15	Electrical and optical properties of boron-doped nanocrystalline silicon films deposited by PECVD. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 144-148.	1.8	13
16	Blue-green luminescence and SERS study of carbon-rich hydrogenated amorphous silicon carbide films with multiphase structure. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 2543-2548.	1.8	12
17	TiO <sub>2</sub> hybrid material film with high CO <sub>2</sub> adsorption for CO <sub>2</sub> photoreduction. Journal of Alloys and Compounds, 2017, 729, 884-889.	5.5	11
18	A two-step preparation method for nanocrystalline Ag-decorated cotton fabrics and their antibacterial assessment. Journal of Materials Science, 2019, 54, 10447-10456.	3.7	11

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19	Surface plasmon enhanced blue-green photoluminescence from carbon-rich amorphous silicon carbide films. <i>Journal of Alloys and Compounds</i> , 2012, 513, 18-22.	5.5	10
20	Bright blue photoluminescence from the amorphous carbon via surface plasmon enhancement. <i>Optics Express</i> , 2011, 19, 17935.	3.4	8
21	Ag-silica composite nanotube with controlled wall structures for biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 693-698.	5.0	8
22	Novel Synthesis of Ag NPs on Polymer Fabrics by a Green Method for Antibacterial Performance. <i>Fibers and Polymers</i> , 2021, 22, 2464-2474.	2.1	6
23	Fabrication of titanium dioxide with durable superhydrophilicity by anodization. <i>RSC Advances</i> , 2015, 5, 97702-97709.	3.6	5
24	Electrospun PVDF Nanofibers Decorated with Graphene and Titania for Improved Visible Light Photocatalytic Methanation of CO <sub>2</sub> . <i>Plasmonics</i> , 2020, 15, 717-725.	3.4	4
25	Enhanced CO <sub>2</sub> photoreduction under electrostatic field induction. <i>Solar Energy Materials and Solar Cells</i> , 2015, 143, 275-279.	6.2	2
26	Direct Electrodeposition of Hollowed Ag Nanostructures on ITO Glass for Reproducible SERS Application. <i>Plasmonics</i> , 2016, 11, 1279-1283.	3.4	2
27	Effect of Electric Field on CO <sub>2</sub> Photoreduction by TiO <sub>2</sub> Film. <i>Journal of Electronic Materials</i> , 2017, 46, 999-1004.	2.2	2
28	Strengthening of archaeological wood using electroosmosis. <i>European Journal of Wood and Wood Products</i> , 2018, 76, 965-971.	2.9	2
29	One-Pot Synthesis of Ag@TiO <sub>2</sub> @GO Nanocomposites for Visible-Light Photodegradation. <i>ChemistrySelect</i> , 2022, 7, .	1.5	2
30	Amorphous carbon-based films with surface-plasmon-enhanced full-color photoluminescence. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 1725-1729.	3.1	1
31	Preparation and photoconductive properties of vacuum-sublimed CuPc/ZnS multilayer films. <i>Physica Status Solidi A</i> , 2003, 195, 359-366.	1.7	0
32	Selective-area growth of periodic iron-garnet thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 375-378.	1.8	0
33	The influence of electrochemical terms on TiO <sub>2</sub> nanorod morphology and photoreduction ability. , 2013, , .		0