

# Anisotropic Growth of Titania onto Various Gold Nanos Understanding, and Optimization for Catalysis

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Shape-controlled self-assembly of colloidal nanoparticles. <i>Chemical Science</i> , 2012, 3, 2252.	3.7	14
2	Composite Metal-Oxide Nanocatalysts. <i>ChemCatChem</i> , 2012, 4, 1462-1484.	1.8	65
3	Bulk synthesis of Janus objects and asymmetric patchy particles. <i>Journal of Materials Chemistry</i> , 2012, 22, 15457.	6.7	121
4	In situ growth of Au nanoparticles on Fe <sub>2</sub> O <sub>3</sub> nanocrystals for catalytic applications. <i>CrystEngComm</i> , 2012, 14, 7229.	1.3	48
5	Fabrication, properties and applications of Janus particles. <i>Chemical Society Reviews</i> , 2012, 41, 4356.	18.7	570
6	Janus Au-TiO <sub>2</sub> Photocatalysts with Strong Localization of Plasmonic Near-Fields for Efficient Visible-Light Hydrogen Generation. <i>Advanced Materials</i> , 2012, 24, 2310-2314.	11.1	768
7	Titania-Coated Metal Nanostructures. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2174-2184.	1.7	29
8	Bimetallic Platonic Janus Nanocrystals. <i>Langmuir</i> , 2013, 29, 12844-12851.	1.6	15
11	Direct observation of charge separation on Au localized surface plasmons. <i>Energy and Environmental Science</i> , 2013, 6, 3584.	15.6	70
12	Extension of the Stober Method to Construct Mesoporous SiO <sub>2</sub> and TiO <sub>2</sub> Shells for Uniform Multifunctional Core-Shell Structures. <i>Advanced Materials</i> , 2013, 25, 142-149.	11.1	270
13	Gold nanorods and their plasmonic properties. <i>Chemical Society Reviews</i> , 2013, 42, 2679-2724.	18.7	1,576
14	Metallic Janus and Patchy Particles. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 46-60.	1.2	81
15	TiO <sub>2</sub> coated Au/Ag nanorods with enhanced photocatalytic activity under visible light irradiation. <i>Nanoscale</i> , 2013, 5, 4236.	2.8	176
16	Magnetically Recyclable Gold-Magnetite Nanocatalysts for Reduction of Nitrophenols. <i>ACS Symposium Series</i> , 2013, , 291-305.	0.5	1
17	Gas-assisted growth of boron-doped nickel nanotube arrays: rapid synthesis, growth mechanisms, tunable magnetic properties, and super-efficient reduction of 4-nitrophenol. <i>Nanoscale</i> , 2013, 5, 3648.	2.8	35
18	Surface and interface control of noble metal nanocrystals for catalytic and electrocatalytic applications. <i>Nano Today</i> , 2013, 8, 168-197.	6.2	431
19	Gold-Nanorod-Photosensitized Titanium Dioxide with Wide-Range Visible-Light Harvesting Based on Localized Surface Plasmon Resonance. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6689-6693.	7.2	244
20	Dual Surface-Functionalized Janus Nanocomposites of Polystyrene/Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> for Simultaneous Tumor Cell Targeting and Stimulus-Induced Drug Release. <i>Advanced Materials</i> , 2013, 25, 3485-3489.	11.1	186

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21	Asymmetric organic/metal(oxide) hybrid nanoparticles: synthesis and applications. <i>Nanoscale</i> , 2013, 5, 5151.	2.8	50
22	Electromagnetic interaction with two eccentric spheres. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014, 31, 783.	0.8	21
23	COLLOIDAL PREPARATION OF MONODISPERSE NANOCRYSTALS. <i>Journal of Molecular and Engineering Materials</i> , 2014, 02, 1430001.	0.9	6
24	Enhanced Photocatalytic Activity of Au/TiO <sub>2</sub> Nanocomposite Prepared Using Bifunctional Bridging Linker. <i>Advanced Functional Materials</i> , 2014, 24, 907-915.	7.8	39
25	Strictly Biphasic Soft and Hard Janus Structures: Synthesis, Properties, and Applications. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5524-5538.	7.2	178
26	Characterization of interfacially electronic structures of gold-magnetite heterostructures using X-ray absorption spectroscopy. <i>Journal of Colloid and Interface Science</i> , 2014, 417, 325-332.	5.0	24
27	Metal/Semiconductor Hybrid Nanostructures for Plasmon-Enhanced Applications. <i>Advanced Materials</i> , 2014, 26, 5274-5309.	11.1	926
28	New Insight into the Role of Gold Nanoparticles in Au@CdS Core-Shell Nanostructures for Hydrogen Evolution. <i>Small</i> , 2014, 10, 4664-4670.	5.2	138
29	Self-Organization of Plasmonic and Excitonic Nanoparticles into Resonant Chiral Supraparticle Assemblies. <i>Nano Letters</i> , 2014, 14, 6799-6810.	4.5	61
30	Harnessing nonlinear rubber swelling for bulk synthesis of anisotropic hybrid nanoparticles. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8745-8749.	2.7	10
31	Anisotropic growth of SiO <sub>2</sub> and TiO <sub>2</sub> mixed oxides onto Au nanostructures: highly thermal stability and enhanced reaction activity. <i>RSC Advances</i> , 2014, 4, 40078-40084.	1.7	11
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34	(Gold core)/(titania shell) nanostructures for plasmon-enhanced photon harvesting and generation of reactive oxygen species. <i>Energy and Environmental Science</i> , 2014, 7, 3431-3438.	15.6	180
35	Plasmonic Janus-Composite Photocatalyst Comprising Au and Cd-TiO <sub>2</sub> for Enhanced Aerobic Oxidation over a Broad Visible-Light Range. <i>Advanced Functional Materials</i> , 2014, 24, 7754-7762.	7.8	83
36	Preparation of Gold/Silver/Titania Trilayered Nanorods and Their Photocatalytic Activities. <i>Langmuir</i> , 2014, 30, 922-928.	1.6	55
37	Janus Nanoparticles: Preparation, Characterization, and Applications. <i>Chemistry - an Asian Journal</i> , 2014, 9, 418-430.	1.7	86
38	Strategy for Nano-Catalysis in a Fixed-Bed System. <i>Advanced Materials</i> , 2014, 26, 4151-4155.	11.1	95

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40	Magnetic Pd/Fe <sub>3</sub> O <sub>4</sub> Composite: Synthesis, Structure, and Catalytic Activity. <i>Australian Journal of Chemistry</i> , 2014, 67, 1387.	0.5	3
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48	Synthesis of gold/rare-earth-vanadate core/shell nanorods for integrating plasmon resonance and fluorescence. <i>Nano Research</i> , 2015, 8, 2548-2561.	5.8	43
49	Interfaced heterogeneous nanodimers. <i>National Science Review</i> , 2015, 2, 329-348.	4.6	79
50	Mesoporous SnO <sub>2</sub> -Coated Metal Nanoparticles with Enhanced Catalytic Efficiency. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 4844-4850.	4.0	52
51	Methods and Structures for Self-assembly of Anisotropic 1D Nanocrystals. <i>Nanoscience and Technology</i> , 2015, , 27-68.	1.5	1
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57	Structural Control of Hybrid Colloidal Particle Surface by Plasma-etching Treatment. <i>Chemistry Letters</i> , 2016, 45, 979-981.	0.7	13

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59	Asymmetric silica encapsulation toward colloidal Janus nanoparticles: a concave nanoreactor for template-synthesis of an electrocatalytic hollow Pt nanodendrite. <i>Nanoscale</i> , 2016, 8, 14593-14599.	2.8	15
60	Clustered Au on TiO <sub>2</sub> Snowman-Like Nanoassemblies for Photocatalytic Applications. <i>ChemistrySelect</i> , 2016, 1, 2963-2970.	0.7	28
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69	Gelatin-immobilized High Aspect Ratio Gold Nanocrystals: An Efficient Catalyst for 4-Nitrophenol Reduction. <i>Advances in Polymer Technology</i> , 2017, 36, 301-308.	0.8	2
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71	Plasmon-Enhanced Fluorescence of Rare Earth Nanocrystals. <i>International Journal of Behavioral and Consultation Therapy</i> , 2017, , 15-37.	0.4	1
73	Anisotropic Metal Deposition on TiO <sub>2</sub> Particles by Electric-Field-Induced Charge Separation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11431-11435.	7.2	37
74	Visualization of submicron aerosol agglomeration by laser-induced fluorescence. <i>Aerosol Science and Technology</i> , 2017, 51, 1093-1098.	1.5	0
75	Precise synthesis of unique polydopamine/mesoporous calcium phosphate hollow Janus nanoparticles for imaging-guided chemo-photothermal synergistic therapy. <i>Chemical Science</i> , 2017, 8, 8067-8077.	3.7	125
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79	Preparation of Au@silica Janus nanosheets and their catalytic application. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 529, 613-620.	2.3	27
80	Preparation of Janus-type catalysts and their catalytic performance at emulsion interface. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 357-364.	5.0	61
81	Noble metal@metal oxide nanohybrids with tailored nanostructures for efficient solar energy conversion, photocatalysis and environmental remediation. <i>Energy and Environmental Science</i> , 2017, 10, 402-434.	15.6	820
82	Synthesis and characterization of noble metal@titania core@shell nanostructures with tunable shell thickness. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 2083-2093.	1.5	17
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98	Transparent nanomaterial-based solar cool coatings: Synthesis, morphologies and applications. <i>Solar Energy</i> , 2019, 193, 837-858.	2.9	35
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112	Continuous Tuning of Au-Cu <sub>2</sub> O Janus Nanostructures for Efficient Charge Separation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22246-22251.	7.2	69
113	Metal Oxide-Based Nanocomposites as Antimicrobial and Biomedical Agents. , 2020, , 287-323.		11
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123	Shining photocatalysis by gold-based nanomaterials. <i>Nano Energy</i> , 2021, 88, 106306.	8.2	64
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