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Effects of calcination temperatures on photocatalytic activity of SnO₂/TiO₂ composite films prepared by an EPD method

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#	Paper	IF	Citations
178	Black SnO ₂ TiO ₂ Nanocomposites with High Dispersion for Photocatalytic and Photovoltaic Applications.		
177	Fabrication and properties of meso-macroporous electrodes screen-printed from mesoporous titania nanoparticles for dye-sensitized solar cells. <i>Materials Chemistry and Physics</i> , 2009 , 118, 477-483	4.4	24
176	Preparation of titania-coated alumina film by electrolysis of TiCl ₄ -containing solution. <i>Ceramics International</i> , 2009 , 35, 693-698	5.1	2
175	Photo degradation of methyl orange by attapulgite-SnO ₂ -TiO ₂ nanocomposites. <i>Journal of Hazardous Materials</i> , 2009 , 171, 294-300	12.8	92
174	Hydrothermal preparation and photocatalytic activity of mesoporous Au-TiO ₂ nanocomposite microspheres. <i>Journal of Colloid and Interface Science</i> , 2009 , 334, 58-64	9.3	181
173	Characterization and Photocatalytic Performance of Tin Oxide. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 1249-1252	3.9	27
172	Novel Tube-like Y ₂ Sn ₂ O ₇ :Tb ³⁺ Crystals: Hydrothermal Synthesis and Photoluminescence Properties. 2010 , 39, 182-183		3
171	Mixture design optimization of the composition of S, C, SnO ₂ -codoped TiO ₂ for degradation of phenol under visible light. 2010 , 165, 482-489		19
170	Stabilization of the anatase phase of Ti _{1-x} Sn _x O ₂ (x 2010, 3, 256-263		14
169	In situ generated gas bubble-assisted modulation of the morphologies, photocatalytic, and magnetic properties of ferric oxide nanostructures synthesized by thermal decomposition of iron nitrate. 2010 , 12, 3025-3037		56
168	Effects of paste components on the properties of screen-printed porous TiO ₂ film for dye-sensitized solar cells. 2010 , 35, 555-561		66
167	A novel approach of preparing TiO ₂ films at low temperature and its application in photocatalytic degradation of methyl orange. <i>Journal of Hazardous Materials</i> , 2010 , 177, 750-4	12.8	114
166	Favorable recycling photocatalyst TiO ₂ /CFA: Effects of calcination temperature on the structural property and photocatalytic activity. 2010 , 330, 41-48		34
165	Synthesis and characterization of the SnO ₂ -pillared layered titanate nanohybrid. <i>Journal of Physics and Chemistry of Solids</i> , 2010 , 71, 658-662	3.9	1
164	Effect of calcination temperature on morphology and photoelectrochemical properties of anodized titanium dioxide nanotube arrays. 2010 , 94, 295-302		356
163	Surfactant-free synthesis uniform Ti _{1-x} Sn _x O ₂ nanocrystal colloids and their photocatalytic performance. 2010 , 100, 68-76		44
162	Synthesis and Characterization of Wormhole-Like Mesoporous SnO ₂ with High Surface Area. <i>Chinese Journal of Catalysis</i> , 2010 , 31, 295-301	11.3	10

161	A facile wet chemical route to prepare ZnO/TiO ₂ nanotube composites and their photocatalytic activities. 2010 , 25, 1278-1287		17
160	Research on Different Preparation Methods of New Photocatalysts. 2010 , 14, 683-698		12
159	Electronic and Structural Properties of Sn _x Ti _{1-x} O ₂ (0.0 ≤ x ≤ 0.1) Solid Solutions. 2010 , 22, 1551-1558		54
158	Hydrogen Production by Photocatalytic Water Splitting over Pt/TiO ₂ Nanosheets with Exposed (001) Facets. 2010 , 114, 13118-13125		979
157	Microstructure and magnetic properties in Sn _{1-x} FexO ₂ (x=0.01, 0.05, 0.10) nanoparticles synthesized by hydrothermal method. <i>Journal of Alloys and Compounds</i> , 2010 , 491, 679-683	5-7	23
156	Effect of Crystallization Methods on Morphology and Photocatalytic Activity of Anodized TiO ₂ Nanotube Array Films. 2010 , 114, 19378-19385		254
155	Synthesis of Rutile-Phase Sn _x Ti _{1-x} O ₂ Solid-Solution and (SnO ₂) _x /(TiO ₂) _{1-x} Core/Shell Nanoparticles with Tunable Lattice Constants and Controlled Morphologies. 2011 , 23, 4920-4930		43
154	Sn ²⁺ dopant induced visible-light activity of SnO ₂ nanoparticles for H ₂ production. <i>Catalysis Communications</i> , 2011 , 16, 215-219	3-2	54
153	Support effect on the NO _x storage and sulfur-resisting performance of the NO _x trap catalysts Pt/Li/TiO ₂ /MO _x (M = Al, Zr, Si, Sn). 2011 , 175, 72-77		10
152	Alternate coating and porosity as dependent factors for the photocatalytic activity of sol-gel derived TiO ₂ films. 2011 , 174, 190-198		29
151	Synthesis of novel visible light responding vanadate/TiO ₂ heterostructure photocatalysts for application of organic pollutants. 2011 , 175, 76-83		53
150	Review on modified TiO ₂ photocatalysis under UV/visible light: selected results and related mechanisms on interfacial charge carrier transfer dynamics. 2011 , 115, 13211-41		1497
149	Anodic aqueous electrophoretic deposition of titanium dioxide using carboxylic acids as dispersing agents. 2011 , 31, 1041-1047		47
148	Increasing the catalytic activities of iodine doped titanium dioxide by modifying with tin dioxide for the photodegradation of 2-chlorophenol under visible light irradiation. <i>Journal of Hazardous Materials</i> , 2011 , 189, 595-602	12.8	38
147	Highly efficient visible light TiO ₂ photocatalyst prepared by sol-gel method at temperatures lower than 300°C. <i>Journal of Hazardous Materials</i> , 2011 , 192, 150-9	12.8	9
146	Electron beam irradiation-induced reduction of Sn on epitaxial rutile Sn _x Ti _{1-x} O ₂ alloy thin films. 2011 , 519, 2555-2558		2
145	The influence of organic additives on the morphologic and crystalline properties of SnO ₂ obtained by spray pyrolysis deposition. 2011 , 519, 5780-5786		12
144	Enhancement of Visible-Light Photocatalytic Activity of Mesoporous Au-TiO ₂ Nanocomposites by Surface Plasmon Resonance. 2012 , 2012, 1-10		21

143	Degradation of Semiconductor Manufacturing Wastewater by Using a Novel Magnetic Composite TiO ₂ /Fe ₃ O ₄ Photoreactor Design. 2012 , 2012, 1-6	1
142	Photoelectrocatalytic Degradation of Sodium Oxalate by TiO ₂ /Ti Thin Film Electrode. 2012 , 2012, 1-6	1
141	Enhanced Photocatalytic Activity of Powders (P25) via Calcination Treatment. 2012 , 2012, 1-9	74
140	Review on Transforming TiO ₂ into a Visible-Light- Responsive Catalyst for Water and Air Purification. 2012 ,	2
139	Effects of Calcination Temperatures on Photocatalytic Activity of Ordered Titanate Nanoribbon/SnO ₂ Films Fabricated during an EPD Process. 2012 , 2012, 1-7	24
138	Degradation of Leather Dye Using CeO ₂ /SnO ₂ Nanocomposite as Photocatalyst Under Sunlight. 2012 , 223, 5773-5779	33
137	Mesoporous TiO ₂ photocatalytic films on stainless steel for water decontamination. 2012 , 2, 147-155	36
136	The effect of calcination temperature on the microstructure and photocatalytic activity of TiO ₂ -based composite nanotubes prepared by an in situ template dissolution method. 2012 , 4, 6597-603	53
135	A magnetic TiO ₂ photocatalyst doped with iodine for organic pollutant degradation. 2012 , 96, 50-57	47
134	Effect of substrate type, dopant and thermal treatment on physicochemical properties of TiO ₂ /SnO ₂ sol-gel films. 2012 , 35, 645-649	4
133	Multi-walled carbon nanotubes supported nickel ferrite: A magnetically recyclable photocatalyst with high photocatalytic activity on degradation of phenols. 2012 , 195-196, 149-157	109
132	An investigation of super-hydrophilic properties of TiO ₂ /SnO ₂ nano composite thin films. 2012 , 520, 1954-1958	22
131	Synthesis of TiO ₂ /Pt/TiO ₂ multilayer films via radio frequency magnetron sputtering and their enhanced photocatalytic activity. 2012 , 520, 5727-5732	10
130	Recent Advances in Photocatalytic Processes by Nanomaterials. 2013 , 267-288	6
129	Ternary Titania/Cobalt Ferrite/Polyaniline Nanocomposite: A Magnetically Recyclable Hybrid for Adsorption and Photodegradation of Dyes under Visible Light. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 10105-10113	3.9 76
128	Investigation of photocatalytic and low-emissivity properties of TiO ₂ :F films featuring columnar structure prepared on SnO ₂ :F substrate by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2013 , 68, 121-127	2.3 4
127	Effect of ZnO Seed Layer and TiO ₂ Coating Treatments on Aligned TiO ₂ /ZnO Nanostructures for Dye-Sensitized Solar Cells. 2013 , 479-480, 69-74	
126	Deposition of SnO ₂ on the Anatase TiO ₂ {105} Facets with High Photocatalytic Performance. 2013 , 31, 1503-1507	5

125	Enhanced photoelectrocatalytic performance of SnO ₂ /TiO ₂ rutile composite films. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 10727	13	96
124	Preparation and characterization of Pd/N codoped TiO ₂ photocatalysts with high visible light photocatalytic activity. <i>Chinese Journal of Catalysis</i> , 2013 , 34, 1418-1428	11.3	11
123	Aqueous phase photocatalytic nitrate destruction using titania based materials: routes to enhanced performance and prospects for visible light activation. 2013 , 3, 879		49
122	Effects of catalyst characters on the photocatalytic activity and process of NiO nanoparticles in the degradation of methylene blue. <i>Applied Surface Science</i> , 2013 , 277, 40-46	6.7	73
121	Sol-gel-synthesized mesoporous-assembled TiO ₂ /ZrO ₂ mixed oxide nanocrystals and their photocatalytic sensitized H ₂ production activity under visible light irradiation. 2013 , 16, 667-678		30
120	A review on non metal ion doped titania for the photocatalytic degradation of organic pollutants under UV/solar light: Role of photogenerated charge carrier dynamics in enhancing the activity. 2013 , 140-141, 559-587		426
119	Photocatalytic decolorization of Rhodamine B dye using novel mesoporous SnO ₂ /TiO ₂ nano mixed oxides prepared by sol-gel method. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013 , 260, 1-8	4.7	110
118	Effective sonocatalytic degradation of organic dyes by using Er ³⁺ :YAlO ₃ /TiO ₂ /SnO ₂ under ultrasonic irradiation. 2013 , 366, 282-287		37
117	Preparation of Vertically Aligned ZnO/TiO ₂ Core-Shell Composites for Dye-Sensitized Solar Cells. 2013 , 2013, 1-9		2
116	Size Effect of Silver Nanoparticle Melted into ZnO Nanorods for Photocatalytic Activity. 2013 , 284-287, 367-374		
115	Degradation of Toluene Using Modified TiO ₂ as Photocatalysts. 2013 , 669, 7-18		3
114	Effect of ZnO Seed Layer and TiO ₂ Coating Treatments on Aligned TiO ₂ /ZnO Nanostructures for Dye-Sensitized Solar Cells. 2013 , 143, 107-114		2
113	Advanced Oxides In Catalysis. 2013 , 3, 50-69		2
112	Hollow shaped nanofibers with (Ti, Sn)O ₂ solid-solutions: Synthesis, characterization, and photocatalytic application. <i>Journal of Alloys and Compounds</i> , 2014 , 614, 310-316	5.7	6
111	TiO ₂ Microwave Synthesis, Electrophoretic Deposition of Thin Film, and Photocatalytic Properties for Methylene Blue and Methyl Red Dyes. 2014 , 2014, 1-8		3
110	Preparation of Pt@SnO ₂ Core-Shell Nanoparticles for Photocatalytic Degradation of Formaldehyde. 2014 , 61, 345-349		22
109	Highly antibacterial activity of N-doped TiO ₂ thin films coated on stainless steel brackets under visible light irradiation. <i>Applied Surface Science</i> , 2014 , 309, 119-127	6.7	46
108	Facile preparation of large-scale Fe ₂ O ₃ nanorod/SnO ₂ nanorod composites and their LPG-sensing properties. <i>Journal of Alloys and Compounds</i> , 2014 , 599, 195-201	5.7	18

107	Effects of electrophoretic deposition parameters on the photocatalytic activity of TiO ₂ films: Optimization by response surface methodology. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 452, 1-8	5.1	35
106	Characterization and photocatalytic activity of large-area single crystalline anatase TiO ₂ nanotube films hydrothermal synthesized on Plasma electrolytic oxidation seed layers. <i>Journal of Alloys and Compounds</i> , 2014 , 597, 101-109	5.7	32
105	Sonochemical synthesis and characterization of barium fluoride/titanium dioxide nanocomposites and activity for photodegradation of Trypan Blue dye. 2014 , 27, 654-664		6
104	A facile and efficient preparation of anatase titania nanoparticles in micelle nanoreactors: morphology, structure, and their high photocatalytic activity under UV light illumination. <i>RSC Advances</i> , 2014 , 4, 56406-56414	3.7	36
103	High efficiency photocatalytic conversion of CO ₂ with H ₂ O over Pt/TiO ₂ nanoparticles. <i>RSC Advances</i> , 2014 , 4, 44442-44451	3.7	47
102	Photocatalytic degradation of glyphosate in water by N-doped SnO ₂ /TiO ₂ thin-film-coated glass fibers. 2014 , 90, 1243-50		15
101	Effects of calcination temperatures and additives on the photodegradation of methylene blue by tin dioxide nanocrystals. 2014 , 27, 748-757		10
100	Review on modified NiO/TiO ₂ for green energy applications under UV/visible light: selected results and reaction mechanisms. <i>RSC Advances</i> , 2014 , 4, 28265-28299	3.7	125
99	Highly dispersed and active supported Pt nanoparticles for gaseous formaldehyde oxidation: Influence of particle size. 2014 , 252, 320-326		79
98	Titanium dioxide nanomaterials: self-structural modifications. 2014 , 114, 9890-918		391
97	Effect of heat treatment on the physical properties of bimetallic doped catalyst, Cu-Ni/TiO ₂ . 2015 ,		3
96	Photocatalytic Activity of SnO ₂ -Doped SiO ₂ @TiO ₂ Nanocomposites. 2015 , 255-264		
95	Preparation and characterization of TiO ₂ -based nanosheets for photocatalytic degradation of acetylsalicylic acid: Influence of calcination temperature. 2015 , 279, 994-1003		58
94	Photocatalysis fundamentals and surface modification of TiO ₂ nanomaterials. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 2049-2070	11.3	383
93	Fabrication of a novel ZnO/MMO/CNT nanohybrid derived from multi-cationic layered double hydroxide for photocatalytic degradation of azo dye under visible light. <i>RSC Advances</i> , 2015 , 5, 19675-19685	3.7	22
92	Preparation and Optical Properties of Spherical Bi ₂ S ₃ Nanoparticles by In Situ Thermal Sulfuration Method. 2015 , 10, 1550021		12
91	Morphology controlled syntheses of Cu-doped ZnO, tubular Zn(Cu)O and Ag decorated tubular Zn(Cu)O microcrystals for photocatalysis. 2015 , 272, 58-68		29
90	Effect of calcination on structural, morphological and photoelectrochemical performance of SnO ₂ /TiO ₂ nanostructure films. 2015 , 589, 493-502		5

89	From BiOCl to Bi ₂ WO ₆ in Bi ₂ WO ₆ /BiOCl solvothermal system: phase-morphology evolution and photocatalytic performance. 2015 , 30, 23-27		1
88	Ordered Mesoporous Particles in Titania Films with Hierarchical Structure as Scattering Layers in Dye-Sensitized Solar Cells. 2015 , 119, 22552-22559		21
87	TiO ₂ /SnO ₂ double-shelled hollow spheres-highly efficient photocatalyst for the degradation of rhodamine B. <i>Catalysis Communications</i> , 2015 , 60, 129-133	3-2	44
86	On the heterostructured photocatalysts Ag ₃ VO ₄ /g-C ₃ N ₄ with enhanced visible light photocatalytic activity. <i>Applied Surface Science</i> , 2015 , 324, 324-331	6-7	135
85	Facile Preparation of TiO ₂ -SnO ₂ Catalysts using TiO ₂ as an Auxiliary for Gas Sensing and Advanced Oxidation Processes. 2016 , 1, 3157-3162		14
84	Electrochemical synthesis of p-Cu ₂ O/n-ZnO nanorods hetero-junction for photovoltaic application. 2016 ,		1
83	Synergistic effects in N-K ₂ Ti ₄ O ₉ /UiO-66-NH ₂ composites and their photocatalysis degradation of cationic dyes. <i>Chinese Journal of Catalysis</i> , 2016 , 37, 367-377	11-3	28
82	Facile assembly of TiO ₂ nanospheres/SnO ₂ quantum dots composites with excellent photocatalyst activity for the degradation of methyl orange. <i>Ceramics International</i> , 2016 , 42, 12778-12782	5-1	21
81	Hydrothermal synthesis of the novel rutile-mixed anatase TiO ₂ nanosheets with dominant {001} facets for high photocatalytic activity. <i>RSC Advances</i> , 2016 , 6, 84035-84041	3-7	17
80	Facile Synthesis of Hybridized Mesoporous Au@TiO ₂ /SnO ₂ as Efficient Photocatalyst and Selective VOC Sensor. 2016 , 1, 3247-3258		32
79	The excellent photocatalytic synergism of PbBiO ₂ Br/UiO-66-NH ₂ composites via multiple coupling effects. <i>RSC Advances</i> , 2016 , 6, 89907-89915	3-7	21
78	Hydrothermal synthesis and memristive switching behaviors of single-crystalline anatase TiO ₂ nanowire arrays. <i>Journal of Alloys and Compounds</i> , 2016 , 688, 294-300	5-7	10
77	Synthesis and characterization of SnO ₂ , TiO ₂ and Ti _{0.5} Sn _{0.5} O ₂ nanoparticles as efficient materials for photocatalytic activity. <i>Optical Materials</i> , 2016 , 58, 253-259	3-3	16
76	A novel approach to formulate high flux multifunctional ultrafiltration membranes from photocatalytic titania composite precursors on multi-channel tubular substrates. <i>RSC Advances</i> , 2016 , 6, 58813-58822	3-7	5
75	The accelerating effect of silver ion on the degradation of methyl orange in Cu ₂ O system. <i>Applied Catalysis A: General</i> , 2016 , 512, 74-84	5-1	9
74	Heterojunction Photocatalysts. <i>Advanced Materials</i> , 2017 , 29, 1601694	24	2003
73	On the assessment of photocatalytic activity and charge carrier mechanism of TiO ₂ @SnO ₂ core-shell nanoparticles for water decontamination. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 338, 171-177	4-7	26
72	Photocatalytic efficiency of FeO/TiO ₂ for the degradation of typical dyes in textile industries: Effects of calcination temperature and UV-assisted thermal synthesis. <i>Journal of Environmental Management</i> , 2017 , 196, 487-498	7-9	60

71	Optimization of Oxidation Temperature for Commercially Pure Titanium to Achieve Improved Corrosion Resistance. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 969-977	1.6	12
70	Preparation of erbium ion-doped TiO ₂ films and the study of their photocatalytic activity under simulated solar light. <i>Journal of Semiconductors</i> , 2017 , 38, 113004	2.3	6
69	Nanotechnology for water purification: applications of nanotechnology methods in wastewater treatment. 2017 , 33-74		78
68	Photocatalytic degradation of malathion using Zn ²⁺ -doped TiO ₂ nanoparticles: statistical analysis and optimization of operating parameters. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	39
67	Photocatalytic activity and photoluminescence properties of TiO ₂ , In ₂ O ₃ , TiO ₂ /In ₂ O ₃ thin films multilayer. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 6530-6542	2.1	17
66	Multi-applicative tetragonal TiO ₂ /SnO ₂ nanocomposites for photocatalysis and gas sensing. <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 115, 127-136	3.9	46
65	Hybrid BiOBr/UiO-66-NH composite with enhanced visible-light driven photocatalytic activity toward RhB dye degradation.. <i>RSC Advances</i> , 2018 , 8, 2048-2058	3.7	58
64	Structural, photocatalytic, biological and catalytic properties of SnO ₂ /TiO ₂ nanoparticles. <i>Ceramics International</i> , 2018 , 44, 6201-6211	5.1	60
63	Electrophoretic deposition of Sn-doped TiO ₂ nanoparticles and its optical and photocatalytic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 10841-10852	2.1	10
62	Ti _{0.85} Sn _{0.15} O ₂ nanocomposite: an efficient semiconductor photocatalyst for degradation of pesticides under solar light. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 3219-3230	2.1	10
61	Titanium Dioxide Films for Photocatalytic Degradation of Methyl Orange Dye. 2018 ,		2
60	Use of ion-assisted sputtering technique for producing photocatalytic titanium dioxide thin films: Influence of thermal treatments on structural and activity properties based on the decomposition of stearic acid. <i>Polymer Degradation and Stability</i> , 2018 , 157, 1-8	4.7	1
59	Preparation of a New Type of Black TiO under a Vacuum Atmosphere for Sunlight Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 35316-35326	9.5	53
58	Photocatalysis. 2018 , 135-175		44
57	Electrically bioactive coating on Ti with bi-layered SnO-TiO hetero-structure for improving osteointegration. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 3989-3998	7.3	4
56	Neodymium doped mixed metal oxide derived from CoAl-layered double hydroxide: Considerable enhancement in visible light photocatalytic activity. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 68, 311-324	6.3	19
55	Hydroxyl-Mediated Formation of Highly Dispersed SnO ₂ /TiO ₂ Heterojunction via Pulsed Chemical Vapor Deposition To Enhance Photocatalytic Activity. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 14655-14663	3.9	16
54	Preparation and characterization of SnO ₂ doped TiO ₂ nanoparticles: Effect of phase changes on the photocatalytic and catalytic activity. <i>Journal of Science: Advanced Materials and Devices</i> , 2019 , 4, 400-412	4.2	18

53	Synthesis of Sea Urchin-Like NiCoO via Charge-Driven Self-Assembly Strategy for High-Performance Lithium-Ion Batteries. <i>Nanoscale Research Letters</i> , 2019 , 14, 6	5	7
52	Effects specific surface area and oxygen vacancy on the photocatalytic properties of mesoporous F doped SnO ₂ nanoparticles prepared by hydrothermal method. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 16110-16123	2.1	8
51	Superhydrophilicity of photocatalytic ZnO/SnO ₂ heterostructure for self-cleaning applications. <i>Journal of Sol-Gel Science and Technology</i> , 2019 , 92, 575-584	2.3	11
50	Performance of a multistage rotating mesh support photoreactor immobilized with TiO ₂ on photocatalytic degradation of PNP: Reactor construction and optimization. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019 , 146, 107668	3.7	5
49	Surface acidity, catalytic and photocatalytic activities of new type H ₃ PW ₁₂ O ₄₀ /Sn-TiO ₂ nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 577, 147-157	5.1	27
48	Electrophoretic deposition of photocatalytic materials. <i>Advances in Colloid and Interface Science</i> , 2019 , 269, 236-255	14.3	35
47	Engineering an ultrathin amorphous TiO ₂ layer for boosting the weatherability of TiO ₂ pigment with high lightening power. <i>Chinese Journal of Chemical Engineering</i> , 2019 , 27, 2825-2834	3.2	3
46	TiO ₂ /SnO ₂ and SnO ₂ /TiO ₂ heterostructures as photocatalysts for degradation of stearic acid and methylene blue under UV irradiation. <i>Superlattices and Microstructures</i> , 2019 , 129, 105-114	2.8	12
45	Analogous crystal orientation for immobilizing rGO/ZrO/AgPO nanocomposite on a fluorine-doped tin oxide substrate. <i>Journal of Hazardous Materials</i> , 2019 , 369, 375-383	12.8	7
44	Photocatalytic activity of AgCl/SnO ₂ prepared by one-pot green synthesis. <i>Sustainable Chemistry and Pharmacy</i> , 2019 , 14, 100190	3.9	3
43	Attaching titania clusters of various size to reduced graphene oxide and its impact on the conceivable photocatalytic behavior of the junctions-a DFT/D + U and TD DFTB modeling. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 404001	1.8	7
42	Semiconductor Photocatalysis for Water Purification. 2019 , 581-651		31
41	Photocatalytic degradation of diclofenac using TiO-SnO mixed oxide catalysts. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 929-941	2.6	33
40	Construction of layered h-BN/TiO ₂ hetero-structure and probing of the synergetic photocatalytic effect. <i>Science China Materials</i> , 2020 , 63, 276-287	7.1	14
39	Dependence of calcination temperature on wettability and photocatalytic performance of SnO ₂ /TiO ₂ composite thin films. <i>Materials Chemistry and Physics</i> , 2020 , 241, 122333	4.4	10
38	Methods for Electrocatalysis. 2020 ,		0
37	Construction of Ag-modified TiO/ZnO heterojunction nanotree arrays with superior photocatalytic and photoelectrochemical properties.. <i>RSC Advances</i> , 2020 , 10, 34702-34711	3.7	14
36	Exponentially self-promoted hydrogen evolution by uni-source photo-thermal synergism in concentrating photocatalysis on co-catalyst-free P25 TiO ₂ . <i>Journal of Catalysis</i> , 2020 , 392, 165-174	7.3	15

35	Efficient photocatalytic degradation of gaseous toluene over F-doped TiO ₂ /exfoliated bentonite. <i>Applied Surface Science</i> , 2020 , 530, 147286	6.7	25
34	Structural, photocatalytic and surface analysis of Nb/Ag codoped TiO ₂ mesoporous nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , 2020 , 96, 728-741	2.3	6
33	Removal study of the hormone 17 alpha-ethynylestradiol and methylene blue dye from water using TiO ₂ , Mn ₂ O ₃ and TiO ₂ /Mn ₂ O ₃ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 9260-9269	2.1	2
32	Tuning wall thickness of TiO microtubes for an enhanced photocatalytic activity with thickness-dependent charge separation efficiency. <i>Journal of Colloid and Interface Science</i> , 2020 , 579, 463-469	9.3	12
31	CdS-decorated surface-coarsened TiO ₂ nanobelts with enhanced visible-light photocatalytic performances. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 4931-4942	2.1	1
30	CoO-Ag photocatalysts for the efficient degradation of methyl orange. <i>RSC Advances</i> , 2020 , 10, 15245-15251	3.7	9
29	Performance evaluation of titanium oxide deposited by electrophoresis in photoelectrodes of dye-sensitized solar cells. <i>Revista Materia</i> , 2021 , 26,	0.8	
28	Nature and Role of Surface Junctions in BiOIO ₃ Photocatalysts. <i>Advanced Functional Materials</i> , 2021 , 31, 2009472	15.6	9
27	Design and fabrication of Ag ₃ VO ₄ /g-C ₃ N ₄ heterostructure photocatalyst for enhanced visible light degradation of various organic pollutants. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 17876-17889	2.1	1
26	Impact of Sn ions on structural and electrical description of TiO ₂ nanoparticles. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2021 , 76, 835-846	1.4	0
25	Enhanced photocatalytic activity of bismuth oxychloride by in-situ introducing oxygen vacancy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 623, 126705	5.1	10
24	Band offset in semiconductor heterojunctions. <i>Journal of Physics Condensed Matter</i> , 2021 , 33,	1.8	4
23	Boosting photogenerated carriers for organic pollutant degradation via in-situ constructing atom-to-atom TiO ₂ /ZrTiO ₄ heterointerface. <i>Ceramics International</i> , 2021 ,	5.1	0
22	Effect of the Heat Treatment Sequence in Forming WO ₃ /SnO ₂ /CuO Nanocomposites on the Photocatalytic Properties Illuminated by UV and Sunlight Irradiation. <i>Journal of Electronic Materials</i> , 2021 , 50, 7150	1.9	
21	Advanced Photocatalysts Based on Conducting Polymer/Metal Oxide Composites for Environmental Applications. <i>Polymers</i> , 2021 , 13,	4.5	5
20	Heat treatment effect of a hybrid consisting of SnO ₂ nanorod and rutile TiO ₂ with heteroepitaxial junction on the photocatalytic activity. <i>Catalysis Communications</i> , 2020 , 147, 106148	3.2	4
19	Photocatalytic properties of Pd/TiO ₂ nanosheets for hydrogen evolution from water splitting. <i>RSC Advances</i> , 2016 , 6, 67502-67508	3.7	39
18	Nickel mediated palladium free photocatalytic Suzuki-coupling reaction under visible light irradiation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 5246-5254	13	20

17	Influence of the Number of Layers and Crystallization Temperature on the Photocatalytic Activity of TiO ₂ / In ₂ O ₃ Thin Films. <i>Material Science & Engineering International Journal</i> , 2017 , 1,	1.4	1
16	Synthesis and Characterization of Wormhole-Like Mesoporous SnO ₂ with High Surface Area. <i>Chinese Journal of Catalysis</i> , 2010 , 31, 295-301	11.3	1
15	Synergic effect of Sn-doped TiO ₂ nanostructures for enhanced visible light photocatalysis. <i>Journal of Materials Science: Materials in Electronics</i> , 1	2.1	2
14	Structure and Photochemical Properties of a TiO ₂ -In ₂ O ₃ -SnO ₂ -Al ₂ O ₃ Film Prepared by Electrolysis of an Aqueous Solution. <i>Ceramic Transactions</i> , 337-343	0.1	
13	Effect of alkaline sources on the characteristics and photovoltaic performance of vertical ZnO nanorods-based dye sensitized solar cells. 2013 , 63-66		
12	Original Approach to Synthesize TiO/ZnO Hybrid Nanosponges Used as Photoanodes for Photoelectrochemical Applications. <i>Materials</i> , 2021 , 14,	3.5	0
11	Efficient surfactant modified copper oxide nanoparticles for solar light driven water purification. <i>Optical Materials</i> , 2021 , 122, 111688	3.3	1
10	Metal Oxide Nanocomposites: State-of-the-Art and New Challenges. 2020 , 1-26		1
9	Electrocatalysts for Photoelectrochemical Water Splitting. 2020 , 353-374		
8	Metal Oxide-Based Nanocomposites Application Towards Photocatalysis. 2020 , 155-178		
7	Role of NiO Nanoparticles in Enhancing Structure Properties of TiO and Its Applications in Photodegradation and Hydrogen Evolution. <i>ACS Omega</i> , 2021 , 6, 30386-30400	3.9	8
6	Engineering Schottky-like and heterojunction materials for enhanced photocatalysis performance □ a review. <i>Materials Advances</i> ,	3.3	6
5	Enhanced hydrogen fuel production using synergistic combination of solar radiation and TiO ₂ photocatalyst coupled with Burkholderia cepacia lipase. <i>International Journal of Hydrogen Energy</i> , 2022 ,	6.7	0
4	New generation advanced nanomaterials for photocatalytic abatement of phenolic compounds. <i>Chemosphere</i> , 2022 , 304, 135297	8.4	1
3	Influence of particle size on the electrocatalytic activity and optical properties of NiO nanoparticles. 2023 , 289, 116266		0
2	Multifunctional role of engineered tin oxide nanoparticles with the variation of calcination temperatures. 2023 , 35, 105546		0
1	Facile Synthesis, Characterization, and Photocatalytic Performance of BiOF/BiFeO ₃ Hybrid Heterojunction for Benzylamine Coupling under Simulated Light Irradiation. 2023 , 3, 187-196		0