Bunsho Ohtani

List of Publications by Citations

262 papers	14,224 citations	63 h-index	111 g-index
268 ext. papers	15,406 ext. citations	5.5 avg, IF	6.71 L-index

#	Paper	IF	Citations
262	Photocatalytic Activity of Amorphous–Anatase Mixture of Titanium(IV) Oxide Particles Suspended in Aqueous Solutions. *Journal of Physical Chemistry B*, **1997**, 101, 3746-3752	3.4	714
261	Pristine simple oxides as visible light driven photocatalysts: highly efficient decomposition of organic compounds over platinum-loaded tungsten oxide. *Journal of the American Chemical Society*, **2008**, 130, 7780-1	16.4	677
260	Visible-light-induced photocatalysis through surface plasmon excitation of gold on titania surfaces. *Physical Chemistry Chemical Physics*, **2010**, 12, 2344-55	3.6	457
259	Preparing Articles on Photocatalysis—Beyond the Illusions, Misconceptions, and Speculation. *Chemistry Letters*, **2008**, 37, 216-229	1.7	355
258	Visible light-induced photocatalytic reaction of gold-modified titanium(IV) oxide particles: action spectrum analysis. *Chemical Communications*, **2009**, 241-3	5.8	351
257	Is methylene blue an appropriate substrate for a photocatalytic activity test? A study with visible-light responsive titania. *Chemical Physics Letters*, **2006**, 429, 606-610	2.5	320
256	Facile synthesis of ZnS-AgInS2 solid solution nanoparticles for a color-adjustable luminophore. *Journal of the American Chemical Society*, **2007**, 129, 12388-9	16.4	295
255	Visible light activity of rare earth metal doped (Er3+, Yb3+ or Er3+/Yb3+) titania photocatalysts. *Applied Catalysis B: Environmental*, **2015**, 163, 40-49	21.8	256
254	Synthesis and Characterization of Carbon-Doped TiO2 Nanostructures with Enhanced Visible Light Response. *Chemistry of Materials*, **2007**, 19, 4530-4537	9.6	251
253	Decahedral Single-Crystalline Particles of Anatase Titanium(IV) Oxide with High Photocatalytic Activity. *Chemistry of Materials*, **2009**, 21, 2601-2603	9.6	241
252	Correlation between Photocatalytic Activities and Structural and Physical Properties of Titanium(IV) Oxide Powders. *Chemistry Letters*, **2009**, 38, 238-239	1.7	219
251	Role of Platinum Deposits on Titanium(IV) Oxide Particles: Structural and Kinetic Analyses of Photocatalytic Reaction in Aqueous Alcohol and Amino Acid Solutions. *Journal of Physical Chemistry B*, **1997**, 101, 3349-3359	3.4	218
250	Visible-light-induced water splitting based on two-step photoexcitation between dye-sensitized layered niobate and tungsten oxide photocatalysts in the presence of a triiodide/iodide shuttle redox mediator. *Journal of the American Chemical Society*, **2013**, 135, 16872-84	16.4	203
249	Correlation between Some Physical Properties of Titanium Dioxide Particles and Their Photocatalytic Activity for Some Probe Reactions in Aqueous Systems. *Journal of Physical Chemistry B*, **2002**, 106, 10501-10507	3.4	203
248	Visible light responsive pristine metal oxide photocatalyst: enhancement of activity by crystallization under hydrothermal treatment. *Journal of the American Chemical Society*, **2008**, 130, 17650-1	16.4	202
247	Quantitative analysis of defective sites in titanium(IV) oxide photocatalyst powders. *Physical Chemistry Chemical Physics*, **2003**, 5, 778-783	3.6	200
246	Preparation and characterization of monometallic (Au) and bimetallic (Ag/Au) modified-titania photocatalysts activated by visible light. *Applied Catalysis B: Environmental*, **2011**, 101, 504-514	21.8	185

245	Photocatalytic activity of transition-metal-loaded titanium(IV) oxide powders suspended in aqueous solutions: Correlation with electron□hole recombination kinetics. *Physical Chemistry Chemical Physics*, **2001**, 3, 267-273	3.6	177
244	Fabrication and Characterization of CdS-Nanoparticle Mono- and Multilayers on a Self-Assembled Monolayer of Alkanedithiols on Gold. *Journal of Physical Chemistry B*, **1998**, 102, 1571-1577	3.4	175
243	Two step water splitting into H2 and O2 under visible light by ATaO2N (A=Ca, Sr, Ba) and WO3 with . *Chemical Physics Letters*, **2008**, 452, 120-123	2.5	174
242	Asymmetrically modified silica particles: a simple particulate surfactant for stabilization of oil droplets in water. *Journal of the American Chemical Society*, **2005**, 127, 6271-5	16.4	165
241	Correlation of the crystal structure of titanium dioxide prepared from titanium tetra-2-propoxide with the photocatalytic activity for redox reactions in aqueous propan-2-ol and silver salt solutions. *Journal of the Chemical Society Faraday Transactions I*, **1985**, 81, 61		157
240	Preparation and Characterization of Bismuth Tungstate Polycrystalline Flake-Ball Particles for Photocatalytic Reactions. *Journal of Physical Chemistry C*, **2008**, 112, 9320-9326	3.8	155
239	Fluorine-Doped TiO2 Materials: Photocatalytic Activity vs Time-Resolved Photoluminescence. *Journal of Physical Chemistry C*, **2013**, 117, 25586-25595	3.8	153
238	Silver-doped TiO2 prepared by microemulsion method: Surface properties, bio- and photoactivity. *Separation and Purification Technology*, **2010**, 72, 309-318	8.3	149
237	Z-scheme Overall Water Splitting on Modified-TaON Photocatalysts under Visible Light (*Chemistry Letters*, **2008**, 37, 138-139	1.7	149
236	Synthesis of highly active tungsten(VI) oxide photocatalysts for oxygen evolution by hydrothermal treatment of aqueous tungstic acid solutions. *Journal of Materials Chemistry*, **2001**, 11, 3222-3227		139
235	Titania Photocatalysis beyond Recombination: A Critical Review. *Catalysts*, **2013**, 3, 942-953	4	135
234	Correlation between surface area and photocatalytic activity for acetaldehyde decomposition over bismuth tungstate particles with a hierarchical structure. *Langmuir*, **2010**, 26, 7174-80	4	131
233	Photocatalytic activity of octahedral single-crystalline mesoparticles of anatase titanium(IV) oxide. *Chemical Communications*, **2009**, 2311-3	5.8	128
232	Preparation of 3-D ordered macroporous tungsten oxides and nano-crystalline particulate tungsten oxides using a colloidal crystal template method, and their structural characterization and application as photocatalysts under visible light irradiation. *Journal of Materials Chemistry*, **2010**,		125
231	A facile synthesis of asymmetric hybrid colloidal particles. *Journal of the American Chemical Society*, **2009**, 131, 1352-3	16.4	120
230	Discrimination of the active crystalline phases in anatase□utile mixed titanium(IV) oxide photocatalysts through action spectrum analyses. *Physical Chemistry Chemical Physics*, **2002**, 4, 5910-5914	3.6	120
229	Highly active semiconductor photocatalyst: Extra-fine crystallite of brookite TiO2 for redox reaction in aqueous propan-2-ol and / or silver sulfate solution. *Chemical Physics Letters*, **1985**, 120, 292-294	2.5	120
228	Lanthanide co-doped TiO2: The effect of metal type and amount on surface properties and photocatalytic activity. *Applied Surface Science*, **2014**, 307, 333-345	6.7	115

227	Revisiting the fundamental physical chemistry in heterogeneous photocatalysis: its thermodynamics and kinetics. *Physical Chemistry Chemical Physics*, **2014**, 16, 1788-97	3.6	115
226	Synergetic effect of Ni and Au nanoparticles synthesized on titania particles for efficient photocatalytic hydrogen production. *Applied Catalysis B: Environmental*, **2016**, 191, 18-28	21.8	114
225	Visible Light-Responsive Bismuth Tungstate Photocatalysts: Effects of Hierarchical Architecture on Photocatalytic Activity. *Journal of Physical Chemistry C*, **2009**, 113, 1536-1542	3.8	114
224	Partial Oxidation of Alcohols on Visible-Light-Responsive WO3 Photocatalysts Loaded with Palladium Oxide Cocatalyst. *ACS Catalysis*, **2016**, 6, 1134-1144	13.1	107
223	Femtosecond Diffuse Reflectance Spectroscopy of Aqueous Titanium(IV) Oxide Suspension: Correlation of Electron-Hole Recombination Kinetics with Photocatalytic Activity. *Chemistry Letters*, **1998**, 27, 579-580	1.7	103
222	Effective Photocatalytic Reduction of Nitrate to Ammonia in an Aqueous Suspension of Metal-Loaded Titanium(IV) Oxide Particles in the Presence of Oxalic Acid. *Catalysis Letters*, **2001**, 76, 31-34	2.8	102
221	Mechanism of Photocatalytic Production of Active Oxygens on Highly Crystalline TiO2 Particles by Means of Chemiluminescent Probing and ESR Spectroscopy. *Journal of Physical Chemistry B*, **2001**, 105, 6993-6999	3.4	101
220	Photocatalytic conversion of primary amines to secondary amines and cyclization of polymethylene-.alpha.,.omega.-diamines by an aqueous suspension of titanium(IV) oxide/platinum. *Journal of the American Chemical Society*, **1983**, 105, 7180-7182	16.4	92
219	Solar photocatalysis: A green technology for E. coli contaminated water disinfection. Effect of concentration and different types of suspended catalyst. *Journal of Photochemistry and Photobiology A: Chemistry*, **2014**, 276, 31-40	4.7	90
218	Preparation of novel silica-cadmium sulfide composite nanoparticles having adjustable void space by size-selective photoetching. *Journal of the American Chemical Society*, **2003**, 125, 316-7	16.4	90
217	Photocatalytic reduction of nitrobenzenes to aminobenzenes in aqueous suspensions of titanium(IV) oxide in the presence of hole scavengers under deaerated and aerated conditions. *Physical Chemistry Chemical Physics*, **2011**, 13, 5114-9	3.6	89
216	Photocatalytic activity and luminescence properties of RE3+□TiO2 nanocrystals prepared by sol□gel and hydrothermal methods. *Applied Catalysis B: Environmental*, **2016**, 181, 825-837	21.8	84
215	Double-Beam Photoacoustic Spectroscopic Studies on Transient Absorption of Titanium(IV) Oxide Photocatalyst Powders. *Journal of Physical Chemistry C*, **2007**, 111, 11927-11935	3.8	79
214	Novel solvothermal synthesis of niobium(V) oxide powders and their photocatalytic activity in aqueous suspensions. *Journal of Materials Chemistry*, **2001**, 11, 604-609		79
213	A novel photocatalytic process of amine N-alkylation by platinized semiconductor particles suspended in alcohols. *Journal of the American Chemical Society*, **1986**, 108, 308-310	16.4	78
212	Ultra-highly Active Titanium(IV) Oxide Photocatalyst Prepared by Hydrothermal Crystallization from Titanium(IV) Alkoxide in Organic Solvents. *Chemistry Letters*, **1995**, 24, 693-694	1.7	75
211	Incident light dependence for photocatalytic degradation of acetaldehyde and acetic acid on S-doped and N-doped TiO2 photocatalysts. *Chemical Physics*, **2007**, 339, 64-72	2.3	74
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207	Photoinduced oxygen formation and silver-metal deposition in aqueous solutions of various silver salts by suspended titanium dioxide powder. *Journal of the Chemical Society Faraday Transactions I*, **1983**, 79, 2685		72
206	Gold-titanium(IV) oxide plasmonic photocatalysts prepared by a colloid-photodeposition method: correlation between physical properties and photocatalytic activities. *Langmuir*, **2012**, 28, 13105-11	4	71
205	Facile preparation of platelike tungsten oxide thin film electrodes with high photoelectrode activity. *ACS Applied Materials & Interfaces*, **2011**, 3, 4047-52	9.5	69
204	Solvothermal syntheses of semiconductor photocatalysts of ultra-high activities. *Catalysis Today*, **2003**, 84, 181-189	5.3	69
203	Two-Dimensional Chirality: Self-Assembled Monolayer of an Atropisomeric Compound Covalently Bound to a Gold Surface. *Journal of the American Chemical Society*, **1999**, 121, 6515-6516	16.4	68
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201	Synthesis of titanium(IV) oxide of ultra-high photocatalytic activity: high-temperature hydrolysis of titanium alkoxides with water liberated homogeneously from solvent alcohols. *Journal of Molecular Catalysis A*, **1999**, 144, 165-171		65
200	Photocatalytic one-step syntheses of cyclic imino acids by aqueous semiconductor suspensions. *Journal of Organic Chemistry*, **1990**, 55, 5551-5553	4.2	65
199	Quantum tunneling injection of hot electrons in Au/TiO plasmonic photocatalysts. *Nanoscale*, **2017**, 9, 8349-8361	7.7	60
198	Photocatalytic dehydrogenation of aliphatic alcohols by aqueous suspensions of platinized titanium dioxide. *Journal of the Chemical Society Faraday Transactions I*, **1985**, 81, 2467		60
197	Water-Assisted Hole Trapping at the Highly Curved Surface of Nano-TiO Photocatalyst. *Journal of the American Chemical Society*, **2018**, 140, 1415-1422	16.4	59
196	Silver-Inserted Heterojunction Photocatalysts for Z-Scheme Overall Pure-Water Splitting under Visible-Light Irradiation. *Journal of Physical Chemistry C*, **2014**, 118, 22450-22456	3.8	59
195	Facile Hydrothermal Preparation and Photocatalytic Activity of Bismuth Tungstate Polycrystalline Flake-ball Particles. *Chemistry Letters*, **2007**, 36, 1314-1315	1.7	59
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193	Highly selective phenol production from benzene on a platinum-loaded tungsten oxide photocatalyst with water and molecular oxygen: selective oxidation of water by holes for generating hydroxyl radical as the predominant source of the hydroxyl group. *Catalysis Science and Technology*, **2014**, 4, 3850-3860	5.5	57
192	Phase-Boundary Catalysis of Alkene Epoxidation with Aqueous Hydrogen Peroxide Using Amphiphilic Zeolite Particles Loaded with Titanium Oxide. *Journal of Catalysis*, **2001**, 204, 402-408	7.3	57

191	A fingerprint of metal-oxide powders: energy-resolved distribution of electron traps. *Chemical Communications*, **2016**, 52, 12096-12099	5.8	56
190	Layer-by-layer self-assembly of composite films of CdS nanoparticle and alkanedithiol on gold: an X-ray photoelectron spectroscopic characterization. *Chemical Physics Letters*, **1997**, 278, 233-237	2.5	54
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187	Photocatalytic Reduction of Nitrobenzene to Aniline in an Aqueous Suspension of Titanium(IV) Oxide Particles in the Presence of Oxalic Acid as a Hole Scavenger and Promotive Effect of Dioxygen in the System. *Chemistry Letters*, **2009**, 38, 410-411	1.7	48
186	Photochemical fine-tuning of luminescent color of cadmium selenide nanoparticles: fabricating a single-source multicolor luminophore. *Journal of Physical Chemistry B*, **2006**, 110, 13314-8	3.4	48
185	Absorption and action spectra analysis of ammonium fluoride-doped titania photocatalysts. *Physical Chemistry Chemical Physics*, **2011**, 13, 18217-27	3.6	47
184	Highly Active Titania Photocatalyst Particles of Controlled Crystal Phase, Size, and Polyhedral Shapes. *Topics in Catalysis*, **2010**, 53, 455-461	2.3	47
183	Size and Structure-Dependent Photocatalytic Activity of Jingle-Bell-Shaped Silica-Coated Cadmium Sulfide Nanoparticles for Methanol Dehydrogenation. *Journal of Physical Chemistry B*, **2004**, 108, 18670-18674	3.4	47
182	Titanium(IV) oxide photocatalyst of ultra-high activity for selective N-cyclization of an amino acid in aqueous suspensions. *Chemical Physics Letters*, **1995**, 242, 315-319	2.5	47
181	Hybrid photocatalysts composed of titania modified with plasmonic nanoparticles and ruthenium complexes for decomposition of organic compounds. *Applied Catalysis B: Environmental*, **2015**, 178, 133-143	21.8	46
180	Noble metal-modified faceted anatase titania photocatalysts: Octahedron versus decahedron. *Applied Catalysis B: Environmental*, **2018**, 237, 574-587	21.8	46
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174	Electrochromism of Niobium Oxide Thin Films Prepared by the Sol-Gel Process. *Journal of the Electrochemical Society*, **1994**, 141, 2439-2442	3.9	44

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172	Photoacoustic spectroscopic analysis of photoinduced change in absorption of titanium(IV) oxide photocatalyst powders: A novel feasible technique for measurement of defect density. *Chemical Physics Letters*, **2006**, 426, 204-208	2.5	43
171	Plasmonic Titania Photocatalysts Active under UV and Visible-Light Irradiation: Influence of Gold Amount, Size, and Shape. *Journal of Nanotechnology*, **2012**, 2012, 1-11	3.5	42
170	Photocatalytic Mineralization of Acetic Acid in Aerated Aqueous Suspension of Ultra-highly Active Titanium(IV) Oxide Prepared by Hydrothermal Crystallization in Toluene. *Chemistry Letters*, **1996**, 25, 1051-1052	1.7	42
169	Morphology-dependent photocatalytic activity of octahedral anatase particles prepared by ultrasonication-hydrothermal reaction of titanates. *Nanoscale*, **2015**, 7, 12392-404	7.7	40
168	Enantioselective adsorption of phenylalanine onto self-assembled monolayers of 1,1Þbinaphthalene-2,2Þdithiol on gold. *Journal of the American Chemical Society*, **2002**, 124, 740-1	16.4	40
167	Enhanced Solar Photothermal Catalysis over Solution Plasma Activated TiO. *Advanced Science*, **2020** , 7, 2000204	13.6	38
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165	Titanium(IV) oxide photocatalyst of ultra-high activity: a new preparation process allowing compatibility of high adsorptivity and low electronÞole recombination probability. *Catalysis Letters*, **1998**, 56, 125-129	2.8	38
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163	Decahedral-shaped anatase titania photocatalyst particles: Synthesis in a newly developed coaxial-flow gas-phase reactor. *Chemical Engineering Journal*, **2016**, 289, 502-512	14.7	36
162	Photocatalytic redox-combined synthesis of l-pipecolinic acid from l-lysine by suspended titania particles: effect of noble metal loading on the selectivity and optical purity of the product. *Journal of Catalysis*, **2003**, 217, 152-152	7.3	36
161	Transition metal Schiff-base complexes chemically anchored on Y-zeolite: their preparation and catalytic epoxidation of 1-octene in the suspension and phase boundary systems. *Journal of Molecular Catalysis A*, **2005**, 225, 181-188		36
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158	Size-selective photocatalytic reactions by titanium(IV) oxide coated with a hollow silica shell in aqueous solutions. *Physical Chemistry Chemical Physics*, **2007**, 9, 6319-26	3.6	34
157	Combustion synthesis of TiO2 nanoparticles as photocatalyst. *Powder Technology*, **2007**, 176, 93-98	5.2	34
156	Preparation and Characterization of Water-Soluble Jingle-Bell-Shaped Silica-Coated Cadmium Sulfide Nanoparticles. *Journal of Physical Chemistry B*, **2004**, 108, 11946-11952	3.4	34

155	A heterojunction photocatalyst composed of zinc rhodium oxide, single crystal-derived bismuth vanadium oxide, and silver for overall pure-water splitting under visible light up to 740 nm. *Physical Chemistry Chemical Physics*, **2016**, 18, 27754-27760	3.6	34
154	Dynamics of Photoelectrons and Structural Changes of Tungsten Trioxide Observed by Femtosecond Transient XAFS. *Angewandte Chemie - International Edition*, **2016**, 55, 1364-7	16.4	33
153	Preparation and photocatalytic activity of Nd-modified TiO2 photocatalysts: Insight into the excitation mechanism under visible light. *Journal of Catalysis*, **2017**, 353, 211-222	7.3	31
152	Surface Functionalization of Doped CVD Diamond via Covalent Bond. An XPS Study on the Formation of Surface-bound Quaternary Pyridinium Salt. *Chemistry Letters*, **1998**, 27, 953-954	1.7	31
151	Isolation of Anatase Crystallites from Anatase-Rutile Mixed Particles by Dissolution with Aqueous Hydrogen Peroxide and Ammonia. *Transactions of the Materials Research Society of Japan*, **2007**, 32, 401-404	9.3	31
150	Fabrication and characterization of ternary sepiolite/g-CN/Pd composites for improvement of photocatalytic degradation of ciprofloxacin under visible light irradiation. *Journal of Colloid and Interface Science*, **2020**, 577, 397-405	9.3	30
149	Direct Synthesis of Phenol from Benzene over Platinum-loaded Tungsten(VI) Oxide Photocatalysts with Water and Molecular Oxygen. *Chemistry Letters*, **2011**, 40, 1405-1407	1.7	30
148	Photoelectrochemical properties of tungsten trioxide thin film electrodes prepared from facet-controlled rectangular platelets. *Journal of Solid State Electrochemistry*, **2012**, 16, 1965-1973	2.6	29
147	Silver- and copper-modified decahedral anatase titania particles as visible light-responsive plasmonic photocatalyst. *Journal of Photonics for Energy*, **2016**, 7, 012008	1.2	29
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145	TiO2 and NaTaO3 Decorated by Trimetallic Au/Pd/Pt Core–Shell Nanoparticles as Efficient Photocatalysts: Experimental and Computational Studies. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 16665-16682	8.3	29
144	The effect of anatase and rutile crystallites isolated from titania P25 photocatalyst on growth of selected mould fungi. *Journal of Photochemistry and Photobiology B: Biology*, **2015**, 151, 54-62	6.7	28
143	Reversed double-beam photoacoustic spectroscopy of metal-oxide powders for estimation of their energy-resolved distribution of electron traps and electronic-band structure. *Electrochimica Acta*, **2018**, 264, 83-90	6.7	28
142	A silver-inserted zinc rhodium oxide and bismuth vanadium oxide heterojunction photocatalyst for overall pure-water splitting under red light. *Journal of Materials Chemistry A*, **2016**, 4, 3061-3067	13	28
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138	Cubic Cu2O nanoparticles decorated on TiO2 nanofiber heterostructure as an excellent synergistic photocatalyst for H2 production and sulfamethoxazole degradation. *Applied Catalysis B: Environmental*, **2021**, 294, 120221	21.8	28

137	In situ Blue titania via band shape engineering for exceptional solar H2 production in rutile TiO2. *Applied Catalysis B: Environmental*, **2021**, 297, 120380	21.8	28
136	Influence of an Electronic Structure of N-TiO2 on Its Photocatalytic Activity towards Decomposition of Acetaldehyde under UV and Fluorescent Lamps Irradiation. *Catalysts*, **2018**, 8, 85	4	27
135	Morphology- and Crystalline Composition-Governed Activity of Titania-Based Photocatalysts: Overview and Perspective. *Catalysts*, **2019**, 9, 1054	4	27
134	Effect of Photoexcited Electron Dynamics on Photocatalytic Efficiency of Bismuth Tungstate. *Journal of Physical Chemistry C*, **2011**, 115, 16598-16605	3.8	26
133	Asymmetrically modified titanium(IV) oxide particles having both hydrophobic and hydrophilic parts of their surfaces for liquid□quid dual-phase photocatalytic reactions. *Applied Catalysis A: General*, **2004**, 265, 69-74	5.1	26
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131	Photocatalytic racemization of amino acids in aqueous polycrystalline cadmium(II) sulfide dispersions. *Journal of the Chemical Society, Faraday Transactions*, **1995**, 91, 1103		26
130	Electric-field-induced changes in absorption and emission spectra of CdS nanoparticles doped in a polymer film. *Journal of Physical Chemistry B*, **2006**, 110, 20927-36	3.4	25
129	Influence of the preparation method on the photocatalytic activity of Nd-modified TiO. *Beilstein Journal of Nanotechnology*, **2018**, 9, 447-459	3	24
128	Construction of Semiconductor Nanoparticle Layers on Gold by Self-Assembly Technique. *Japanese Journal of Applied Physics*, **1997**, 36, 4053-4056	1.4	24
127	Importance of ZnTiO Phase in ZnTi-Mixed Metal Oxide Photocatalysts Derived from Layered Double Hydroxide. *ACS Applied Materials & Interfaces*, **2020**, 12, 9169-9180	9.5	23
126	Bromination of hydrocarbons with CBr4, initiated by light-emitting diode irradiation. *Beilstein Journal of Organic Chemistry*, **2013**, 9, 1663-7	2.5	23
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124	Multiple-mode Responsive Device. Photo- and Electro-Chromic Composit Thin Film of Tungsten Oxide with Titanium Oxide. *Chemistry Letters*, **1988**, 17, 295-298	1.7	23
123	Influence of post-treatment operations on structural properties and photocatalytic activity of octahedral anatase titania particles prepared by an ultrasonication-hydrothermal reaction. *Molecules*, **2014**, 19, 19573-87	4.8	21
122	Enhanced Photocatalytic Activity by Particle Morphology: Preparation, Characterization, and Photocatalytic Activities of Octahedral Anatase Titania Particles. *Chemistry Letters*, **2014**, 43, 346-348	1.7	21
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120	Structure and Photoelectrochemical Properties of Laminated Monoparticle Layers of CdS and ZnS on Gold. *Japanese Journal of Applied Physics*, **1999**, 38, 518-521	1.4	20

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