Masakazu Anpo

List of Publications by Year
in descending order

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139	9,073	87723	40881
papers	citations	38 h-index	93 g-index

146	146	146	9025
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The design and development of highly reactive titanium oxide photocatalysts operating under visible light irradiation. Journal of Catalysis, 2003, 216, 505-516.	3.1	1,529
2	Synthesis and Characterization of Nitrogen-Doped TiO2Nanophotocatalyst with High Visible Light Activity. Journal of Physical Chemistry C, 2007, 111, 6976-6982.	1.5	943
3	Preparation, Photocatalytic Activity, and Mechanism of Nano-TiO2Co-Doped with Nitrogen and Iron (III). Journal of Physical Chemistry C, 2007, 111, 10618-10623.	1.5	482
4	Cooperative Coupling of Oxidative Organic Synthesis and Hydrogen Production over Semiconductor-Based Photocatalysts. Chemical Reviews, 2021, 121, 13051-13085.	23.0	426
5	Generation of superoxide ions at oxide surfaces. Topics in Catalysis, 1999, 8, 189-198.	1.3	312
6	Photocatalytic Reduction of CO2 with H2O on Tiâ˜Î² Zeolite Photocatalysts:â€‰ Effect of the Hydrophobic and Hydrophilic Properties. Journal of Physical Chemistry B, 2001, 105, 8350-8355.	1.2	287
7	Carbon Nitride Aerogels for the Photoredox Conversion of Water. Angewandte Chemie - International Edition, 2017, 56, 10905-10910.	7.2	287
8	Photocatalytic reduction of CO2 with H2O on various titanium oxide photocatalysts. RSC Advances, 2012, 2, 3165.	1.7	286
9	Charge Carrier Dynamics of Standard TiO2Catalysts Revealed by Femtosecond Diffuse Reflectance Spectroscopy. Journal of Physical Chemistry B, 1999, 103, 3120-3127.	1.2	269
10	Design of unique titanium oxide photocatalysts by an advanced metal ion-implantation method and photocatalytic reactions under visible light irradiation. Research on Chemical Intermediates, 1998, 24, 143-149.	1.3	230
11	Utilization of TiO2 photocatalysts in green chemistry. Pure and Applied Chemistry, 2000, 72, 1265-1270.	0.9	226
12	Use of visible light. Second-generation titanium oxide photocatalysts prepared by the application of an advanced metal ion-implantation method. Pure and Applied Chemistry, 2000, 72, 1787-1792.	0.9	221
13	Title is missing!. Catalysis Letters, 2000, 67, 135-137.	1.4	180
14	A novel deposition precipitation method for preparation of Ag-loaded titanium dioxide. Catalysis Letters, 2005, 102, 247-250.	1.4	164
15	Evidence of Three Kinds of Tetrahedral Vanadium (V) Species in VSiÎ² Zeolite by Diffuse Reflectance UVâ˜Visible and Photoluminescence Spectroscopiesâ€. Journal of Physical Chemistry B, 2000, 104, 6012-6020.	1.2	129
16	Efficient Photoredox-Mediated Câ€“C Coupling Organic Synthesis and Hydrogen Production over Engineered Semiconductor Quantum Dots. ACS Catalysis, 2020, 10, 14327-14335.	5.5	128
17	Photocatalytic reactions on chromium containing mesoporous silica molecular sieves (Cr-HMS) under visible light irradiation: decomposition of NO and partial oxidation of propane. Chemical Communications, 2001, , 435-436.	2.2	123
18	Computational mining of photocatalysts for water splitting hydrogen production: two-dimensional InSe-family monolayers. Catalysis Science and Technology, 2017, 7, 2744-2752.	2.1	123

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19	Probing Different Kinds of Vanadium Species in the VSÎ² Zeolite by Diffuse Reflectance UVâ^'Visible and Photoluminescence Spectroscopies. Journal of Physical Chemistry B, 1998, 102, 6309-6312.	1.2	104
20	Title is missing!. Topics in Catalysis, 2002, 18, 95-100.	1.3	94
21	Photoreduction of Carbondioxide on Surface Functionalized Nanoporous Catalysts. Topics in Catalysis, 2005, 35, 311-319.	1.3	91
22	Photocatalytic Reduction of CO2 with H2O on Ti-Containing Porous Silica Thin Film Photocatalysts. Catalysis Letters, 2002, 80, 111-114.	1.4	87
23	Carbon Nitride Aerogels for the Photoredox Conversion of Water. Angewandte Chemie, 2017, 129, 11045-11050.	1.6	69
24	Transparent Self-Standing Films of Titanium-Containing Nanoporous Silica. Chemistry of Materials, 2001, 13, 2900-2904.	3.2	68
25	Effect of Surface Treatment on the Selective Photocatalytic Oxidation of Benzyl Alcohol into Benzaldehyde by O2 on TiO2 Under Visible Light. Topics in Catalysis, 2010, 53, 578-583.	1.3	67
26	Application of an Ion Beam Technique for the Design of Visible Light-Sensitive, Highly Efficient and Highly Selective Photocatalysts: Ion-Implantation and Ionized Cluster Beam Methods. Catalysis Surveys From Asia, 2004, 8, 35-45.	1.0	59
27	Direct observation of interfacial hole transfer from a photoexcited TiO2 particle to an adsorbed molecule SCN- by femtosecond diffuse reflectance spectroscopy. Research on Chemical Intermediates, 2001, 27, 177-187.	1.3	54
28	Gradient Zn-Doped Poly Heptazine Imides Integrated with a van der Waals Homojunction Boosting Visible Light-Driven Water Oxidation Activities. ACS Catalysis, 2021, 11, 13463-13471.	5.5	54
29	Evaluation of the Adsorption States of H₂O on Oxide Surfaces by Vibrational Absorption: Near- and Mid-Infrared Spectroscopy. Journal of Near Infrared Spectroscopy, 2009, 17, 373-384.	0.8	50
30	High activity TiO2 Photocatalysts Prepared by a Modified Solâ€"gel Method: Characterization and their Photocatalytic Activity for the Degradation of XRG and X-GL. Topics in Catalysis, 2005, 35, 261-268.	1.3	48
31	Characteristics of the Photocatalytic Oxidation of Methane into Methanol on V-Containing MCM-41 Catalysts. Catalysis Letters, 2008, 124, 80-84.	1.4	48
32	Preparation of Titaniumâ^'Silicon Binary Oxide Thin Film Photocatalysts by an Ionized Cluster Beam Deposition Method. Their Photocatalytic Activity and Photoinduced Super-Hydrophilicity. Journal of Physical Chemistry B, 2003, 107, 14278-14282.	1.2	47
33	Selective photooxidation of methane into methanol by nitric oxide over V-MCM-41 mesoporous molecular sieves. Catalysis Letters, 2005, 100, 35-37.	1.4	46
34	In Situ Investigation of the Photocatalytic Decomposition of NO on the Tiâ^'HMS under Flow and Closed Reaction Systems. Journal of Physical Chemistry B, 2000, 104, 11501-11505.	1.2	42
35	Effect of Î³-ray Irradiation on the Wettability of TiO2 Single Crystals. Topics in Catalysis, 2005, 35, 327-330.	1.3	42
36	Preparation of TiO2 Thin Film Photocatalysts Working under Visible Light Irradiation by Applying a RF Magnetron Sputtering Deposition Method.. Hyomen Kagaku, 2001, 22, 561-565.	0.0	41

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37	Synergistic effects of doped Fe3+ and deposited Au on improving the photocatalytic activity of TiO2. Catalysis Letters, 2006, 111, 207-211.	1.4	39
38	Bandgap Opening of Graphdiyne Monolayer via B, N-Codoping for Photocatalytic Overall Water Splitting: Design Strategy from DFT Studies. Journal of Physical Chemistry C, 2020, 124, 6624-6633.	1.5	39
39	Photocatalytic Decomposition of Formic Acid Under Visible Light Irradiation Over V-ion-implanted TiO2 Thin Film Photocatalysts Prepared on Quartz Substrate by Ionized Cluster Beam (ICB) Deposition Method. Catalysis Letters, 2006, 106, 67-70.	1.4	38
40	Tartaric acid-assisted preparation and photocatalytic performance of titania nanoparticles with controllable phases of anatase and brookite. Journal of Materials Science, 2012, 47, 5743-5751.	1.7	38
41	The facile synthesis of graphitic carbon nitride from amino acid and urea for photocatalytic H2 production. Research on Chemical Intermediates, 2017, 43, 5137-5152.	1.3	38
42	Photocatalytic decomposition of NO on Ti-HMS mesoporous zeolite catalysts. Catalysis Letters, 2000, 66, 241-243.	1.4	35
43	Synthesis of Nanowire TiO2 Thin Films by Hydrothermal Treatment and their Photoelectrochemical Properties. Catalysis Letters, 2007, 119, 217-221.	1.4	35
44	Preparation of Unique TiO2 Nano-particle Photocatalysts by a Multi-gelation Method for Control of the Physicochemical Parameters and Reactivity. Catalysis Letters, 2005, 105, 111-117.	1.4	33
45	Preparation and characterization of nitrogen-doped TiO2 photocatalyst in different acid environments. Research on Chemical Intermediates, 2006, 32, 717-724.	1.3	33
46	Ion engineering techniques for the preparation of the highly effective TiO2 photocatalysts operating under visible light irradiation. Research on Chemical Intermediates, 2012, 38, 1261-1277.	1.3	33
47	Local Structures of Active Sites on Ti-MCM-41 and Their Photocatalytic Reactivity for the Decomposition of NO. Catalysis Letters, 2003, 90, 161-163.	1.4	32
48	Effect of the local structures of V-oxides in MCM-41 on the photocatalytic properties for the partial oxidation of methane to methanol. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 264, 48-55.	2.0	32
49	Synthesis of visible light-driven Eu, N co-doped TiO2 and the mechanism of the degradation of salicylic acid. Research on Chemical Intermediates, 2012, 38, 1947-1960.	1.3	31
50	Ultrasonic-assisted pH Swing Method for the Synthesis of Highly Efficient TiO2 Nano-size Photocatalysts. Catalysis Letters, 2008, 125, 183-191.	1.4	30
51	Photocatalytic Decomposition of Water on Double-Layered Visible Light-Responsive TiO2 Thin Films Prepared by a Magnetron Sputtering Deposition Method. Catalysis Letters, 2010, 135, 10-15.	1.4	30
52	Photophysics and photochemistry in the adsorbed layer. Effects of solid surfaces upon the excited states and the photoreactions of adsorbed molecules. Research on Chemical Intermediates, 1990, 13, 73-102.	1.3	29
53	Facile synthesis of Fe2O3/Cu2O nanocomposite and its visible light photocatalytic activity for the degradation of cationic dyes. Research on Chemical Intermediates, 2017, 43, 5091-5102.	1.3	29
54	Photoluminescence and FT-IR studies of the dissociative adsorption of H2 on the active ZrO2 catalyst and its role in the hydrogenation of CO. Research on Chemical Intermediates, 1990, 13, 195-202.	1.3	28

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55	Visible-light-responsive photocatalytic reaction on tetrahedrally-coordinated chromium oxide moieties loaded on ZSM-5 zeolites and HMS mesoporous silica: partial oxidation of propane. Research on Chemical Intermediates, 2003, 29, 881-890.	1.3	28
56	Application of Highly Functional Ti-Oxide-Based Photocatalysts in Clean Technologies. Topics in Catalysis, 2009, 52, 1651-1659.	1.3	28
57	Visible light-induced conversion of biomass-derived chemicals integrated with hydrogen evolution over 2D Ni2Pâ€“grapheneâ€“TiO2. Research on Chemical Intermediates, 2019, 45, 5935-5946.	1.3	28
58	Synthesis of Fe3+ doped ordered mesoporous TiO2 with enhanced visible light photocatalytic activity and highly crystallized anatase wall. Research on Chemical Intermediates, 2010, 36, 83-93.	1.3	27
59	Synthesis of dimethyl carbonate from methanol and supercritical carbon dioxide. Research on Chemical Intermediates, 2006, 32, 737-747.	1.3	26
60	Title is missing!. Catalysis Letters, 2000, 68, 101-103.	1.4	24
61	High-performance potassium poly(heptazine imide) films for photoelectrochemical water splitting. Chemical Science, 2022, 13, 7541-7551.	3.7	24
62	Photocatalytic Hydrogen Production from Aqueous Solutions of Alcohol as Model Compounds of Biomass Using Visible Light-Responsive TiO2 Thin Films. Catalysis Letters, 2009, 127, 39-43.	1.4	23
63	Photoluminescence properties of tetrahedral titanium oxide species in zeolitic materials. Catalysis Letters, 1998, 53, 107-109.	1.4	22
64	g-C3N4 quantum dots-modified mesoporous TiO2â€“SiO2 for enhanced photocatalysis. Research on Chemical Intermediates, 2019, 45, 4237-4247.	1.3	22
65	Frontiers of Photo-catalysis and Photo-reaction at Solid Surfaces. Design and Development of a Titanium Oxide Photocatalyst Able to Work Effectively under Visible Light Irradiation by an Advanced Metal Ion-Implantation Method.. Hyomen Kagaku, 1999, 20, 60-65.	0.0	22
66	Selective catalytic reduction of nitric oxide with ammonia: A theoretical ab initio study. International Journal of Quantum Chemistry, 2001, 84, 677-685.	1.0	21
67	Novel Porous Boron Nitride Nanosheet with Carbon Doping: Potential Metalâ€Free Photocatalyst for Visibleâ€Lightâ€Driven Overall Water Splitting. Advanced Theory and Simulations, 2019, 2, 1800174.	1.3	21
68	Microstructure and hydrogen production activity of Ptâ€“TiO2 prepared by precipitationâ€“photodeposition. Research on Chemical Intermediates, 2013, 39, 1701-1710.	1.3	19
69	Correlation between Photocorrosion of ZnO and Lattice Relaxation Induced by Its Surface Vacancies. Journal of Physical Chemistry C, 2021, 125, 3242-3255.	1.5	19
70	Title is missing!. Catalysis Letters, 2001, 71, 91-93.	1.4	18
71	Synthesis of Pd Nanoparticles in La-doped Mesoporous Titania with Polycrystalline Framework. Catalysis Letters, 2006, 107, 19-24.	1.4	18
72	Development of separate-type Pt-free photofuel cells based on visible-light responsive TiO2 photoanode. Journal of Materials Chemistry, 2012, 22, 10460.	6.7	18

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73	Single-step solvothermal synthesis of mesoporous anatase TiO2-reduced graphene oxide nanocomposites for the abatement of organic pollutants. Research on Chemical Intermediates, 2017, 43, 5187-5201.	1.3	18
74	Electronic Anisotropy and Superconductivity in One-Dimensional Electride Ca₃Si. Journal of Physical Chemistry C, 2020, 124, 7683-7690.	1.5	18
75	Photocatalytic decomposition of N2O on Cu+/Y-zeolite catalysts prepared by ion-exchange. Korean Journal of Chemical Engineering, 1997, 14, 498-501.	1.2	17
76	Effect of the addition of propane and distortion of tetrahedral vanadium(V) species in VSiÎ² zeolites on the photodecomposition of NO. Research on Chemical Intermediates, 2003, 29, 665-680.	1.3	17
77	Preparation of inorganicâ€“organic hybrid mesoporous material incorporating organoruthenium complexes (â€“[C6H4RuCp]PF6â€“) and its application as a heterogeneous catalyst. Journal of Materials Chemistry, 2011, 21, 12228.	6.7	17
78	Preparation of macroporous SAPO-34 microspheres by a spray drying method using polystyrene spheres as hard template. Research on Chemical Intermediates, 2011, 37, 949-959.	1.3	17
79	Direct Z-scheme WTe₂/InSe van der Waals heterostructure for overall water splitting. Catalysis Science and Technology, 2022, 12, 3272-3280.	2.1	17
80	Suzuki cross-coupling reactions over engineered AuPd alloy nanoparticles by recycling scattered light. Nano Research, 2022, 15, 9967-9975.	5.8	17
81	Photocatalytic Reduction of CO₂ with H₂O on Titanium Oxides Prepared within Zeolites and Mesoporous Molecular Sieves. Electrochemistry, 2002, 70, 402-408.	0.6	16
82	Preparation and Characterization of Multi-functional Titanium Dioxide Photocatalysts. Topics in Catalysis, 2008, 47, 122-130.	1.3	16
83	A simple approach for preparing a visible-light TiO2 photocatalyst. Research on Chemical Intermediates, 2009, 35, 717-726.	1.3	16
84	The conversion of natural gas to higher hydrocarbons using a microwave plasma and catalysts. Research on Chemical Intermediates, 1998, 24, 55-66.	1.3	15
85	Enhancement of the Photocatalytic Activity Under Visible-Light Irradiation over N-doped TiO2 Modified by Platinum Chloride. Catalysis Letters, 2008, 122, 33-36.	1.4	15
86	Catalysis of redox reactions by Ag@TiO2 and Fe3+-doped Ag@TiO2 coreâ€“shell type nanoparticles. Research on Chemical Intermediates, 2010, 36, 163-172.	1.3	15
87	Photoelectrochemical properties of copper oxide (CuO) influenced by work functions of conductive electrodes. Research on Chemical Intermediates, 2019, 45, 5947-5958.	1.3	15
88	Characterization of Ti/Si binary oxides prepared by the sol-gel method and their photocatalytic properties: The hydrogenation and hydrogenolysis of CH3CCH with H2O. Korean Journal of Chemical Engineering, 1998, 15, 491-495.	1.2	14
89	Characterization of the Active Sites on Pt-Loaded ZSM-5 (Pt/ZSM-5) Prepared by an Ion-Exchange Method for the Oxidation of CO at Low Temperatures. Catalysis Letters, 2003, 91, 111-113.	1.4	14
90	Photocatalytic Reduction of CO2with H2O on Various Titanium Oxide Catalysts. ACS Symposium Series, 2002, , 330-343.	0.5	13

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91	High Performance Photocatalytic Reduction of CO2 with H2O by TiSBA-15 Mesoporous Material. Studies in Surface Science and Catalysis, 2004, 153, 299-302.	1.5	13
92	Synthesis, Characterization and Photo-Activity of Vacuum Activated V4+ and Ti3+ Doped TiO2. Catalysis Letters, 2014, 144, 1494-1498.	1.4	13
93	Photocatalytic Reduction of CO2 with H2O on Ti-Containing Mesoporous Silica Hydrophobically Modified Using Fluoride Ions. Studies in Surface Science and Catalysis, 2004, 153, 289-294.	1.5	12
94	Morphologic Control of Pt Supported Titanate Nanotubes and Their Photocatalytic Property. Catalysis Letters, 2009, 130, 28-36.	1.4	12
95	Preferential Oxidation of CO Impurities in the Presence of H2 on NiO-Loaded and Unloaded TiO2 Photocatalysts at 293ÂK. Catalysis Letters, 2009, 129, 7-11.	1.4	12
96	Preparation of the visible light responsive TiO2 thin film photocatalysts by the RF magnetron sputtering deposition method. Research on Chemical Intermediates, 2009, 35, 973-983.	1.3	12
97	Separate evolution of H2 and O2 from H2O on visible light-responsive TiO2 thin film photocatalysts prepared by an RF magnetron sputtering method. Research on Chemical Intermediates, 2009, 35, 997-1004.	1.3	12
98	Enhanced photocatalytic performance of black phosphorene by isoelectronic co-dopants. Inorganic Chemistry Frontiers, 2019, 6, 2369-2378.	3.0	12
99	Fluorescence Properties of 2,5-Bis(4-(diethylamino)phenyl)-1,3,4-oxadiazole Molecules Encapsulated in SiO2 and Siâ^'Ti Binary Oxide Matrixes by the Solâ^'Gel Method. Langmuir, 1999, 15, 77-82.	1.6	11
100	Design of TiO 2 /Activated Carbon Fiber Systems by An Ionized Cluster Beam Method and Their Application for the Photocatalytic Water Purification. Molecular Crystals and Liquid Crystals, 2002, 388, 39-44.	0.4	11
101	Structural evaluation and photocatalytic properties of Pt-supported titanate nanotubes. Research on Chemical Intermediates, 2008, 34, 339-346.	1.3	11
102	Photo-Assisted Synthesis of V-MCM-41 Under UV Light Irradiation. Catalysis Letters, 2004, 97, 49-52.	1.4	10
103	C1?C2 bond cleavage in vinylidenecyclopropanes: Theoretical density functional theory study. International Journal of Quantum Chemistry, 2004, 96, 343-348.	1.0	9
104	Theoretical ab initio study of the intrinsic band gap in semiconductor oxides based on modified titanium dioxides. Theoretical Chemistry Accounts, 2005, 114, 235-241.	0.5	9
105	Synthesis of the Ag+-Bipyridine Complexes Anchored within MCM-41 and their Photocatalytic Reactivity for N2O Reduction with CO. Catalysis Letters, 2008, 126, 218-223.	1.4	9
106	Photocatalytic selective oxidation of CO with O2 in the presence of H2 over highly dispersed chromium oxide on silica under visible or solar light irradiation. Research on Chemical Intermediates, 2008, 34, 427-434.	1.3	9
107	Photo-induced Superhydrophilicity on TiO2 Thin Films Prepared by an Ionized Cluster Beam Deposition Method. Catalysis Letters, 2009, 131, 189-193.	1.4	8
108	N-doped anodic titania nanotube arrays for hydrogen production. Korean Journal of Chemical Engineering, 2011, 28, 1196-1199.	1.2	8

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109	Effect of the sputtering parameters on the physical properties and photocatalytic reactivity of TiO2 thin films prepared by an RF magnetron sputtering deposition method. Research on Chemical Intermediates, 2013, 39, 1593-1602.	1.3	8
110	Evaluation of Hydrophilic/Hydrophobic Properties and Wettability of Oxide Surfaces. Hyomen Kagaku, 2009, 30, 148-156.	0.0	7
111	Photocatalytic oxidation of 2-propanol under visible light irradiation on TiO2 thin films prepared by an RF magnetron sputtering deposition method. Research on Chemical Intermediates, 2012, 38, 1249-1259.	1.3	7
112	Photocatalysis: A Brown Mesoporous TiO_{2â€x}/MCF Composite with an Extremely High Quantum Yield of Solar Energy Photocatalysis for H₂ Evolution (Small 16/2015). Small, 2015, 11, 1919-1919.	5.2	7
113	Effect of ion-exchanged alkali metal cations on the photolysis of 2-pentanone included within ZSM-5 zeolite cavities: a study of ab initio molecular orbital calculations. Research on Chemical Intermediates, 2001, 27, 89-102.	1.3	6
114	Preparation of (Cr,Ti)-Containing Mesoporous Silica Photocatalyst Using a Photo-assisted Deposition Method: Selective Oxidation of Propene with Oxygen under Visible Light Irradiation. E-Journal of Surface Science and Nanotechnology, 2005, 3, 448-452.	0.1	6
115	Development of dye-sensitized solar cells based on visible-light-responsive TiO2 thin films with a unique columnar structure. Research on Chemical Intermediates, 2013, 39, 415-424.	1.3	6
116	Simple evaluation of the adsorption states of benzene molecule on the hydroxyl, H+ and Na+ sites of Y-zeolite surfaces by using UV absorption spectroscopy. Research on Chemical Intermediates, 2014, 40, 2315-2325.	1.3	6
117	Preparation of tantalum oxynitride thin film photocatalysts by reactive magnetron sputtering deposition under high substrate temperature. Research on Chemical Intermediates, 2017, 43, 5123-5136.	1.3	6
118	Solution-processed fabrication of copper indium sulfide (CuInS2) as optical absorber for superstrate CuInS2/CdS/TiO2 solid-state solar cells. Research on Chemical Intermediates, 2021, 47, 169-182.	1.3	5
119	Photocatalytic Reaction and Surface Photoreaction on Ultra-Fine Semiconductor Particles. Design of Anchored Molecular Size Photocatalysts for Environmental Applications.. Hyomen Kagaku, 1995, 16, 194-200.	0.0	5
120	Intrinsic band gap shift in Ti silicalites modified by V ion implantation: Ab initio and density functional theory study. International Journal of Quantum Chemistry, 2004, 96, 349-354.	1.0	4
121	Preparation and Characterization of Cu/Pt/BEA Catalyst for Low Temperature CO Oxidation. Catalysis Letters, 2006, 107, 173-176.	1.4	4
122	Photocatalytic oxidation of ethanethiol on a photoelectrochemical circuit system consisting of a rod-type TiO2 electrode and a silicon solar cell. Research on Chemical Intermediates, 2009, 35, 633-642.	1.3	4
123	Enhanced photoelectrochemical properties of visible light-responsive TiO2 photoanode for separate-type Pt-free photofuel cells by Rh3+ addition. Research on Chemical Intermediates, 2013, 39, 1603-1611.	1.3	4
124	Photocatalytic oxidation of acetaldehyde by hybrid Pt/WO3â€“MOR photocatalysts under visible or sunlight irradiation. Research on Chemical Intermediates, 2014, 40, 23-31.	1.3	4
125	Preparation of Titanium Oxide/Activated Carbon Fiber Photocatalysts Using an Ionized Cluster Beam Method. Tanso, 1998, 1998, 296-298.	0.1	4
126	Computational discovery of In₂XY₂ (X, Y = S, Se, and Te; X â‰ Y) monolayers as multifunctional energy conversion materials. Journal of Materials Chemistry C, 0, , .	2.7	4

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127	Preparation of supproted vanadium oxide by photochemical-anchoring method and photocatalytic reactions on it.. Hyomen Kagaku, 1990, 11, 39-44.	0.0	3
128	The Photocatalytic Reduction of CO2 with H2O on Titanium Oxide Catalysts.. Sekiyu Gakkaishi (Journal) Tj ETQq0 0 0 rgBT /Overlock 10	0.1	3
129	Photocatalytic Decomposition of Lactic Acid in Water on a Photoelectrochemical Circuit System Consisting of a Rod-type TiO2 Electrode and Silicon Solar Cell. Topics in Catalysis, 2008, 47, 162-165.	1.3	3
130	Improvement of the hydrothermal stability of MCM-48 mesoporous molecular sieves. Research on Chemical Intermediates, 2008, 34, 267-286.	1.3	3
131	Photocatalytic Reactions on Metal Oxides and Their Primary Processes. Hyomen Kagaku, 1983, 4, 200-211.	0.0	3
132	Photoluminescence properties of La2O3 methane coupling catalysts. Topics in Catalysis, 1996, 3, 115-120.	1.3	2
133	Anchoring of 1,8-naphthalimide derivative into mesoporous MCM-41 molecular sieves. Research on Chemical Intermediates, 2011, 37, 891-899.	1.3	2
134	Preface: Special issue of research on chemical intermediates. Research on Chemical Intermediates, 2019, 45, 5761-5762.	1.3	2
135	Novel method for doping nano TiO2photocatalysts by chemical vapour deposition. Journal of Experimental Nanoscience, 2012, 7, 42-52.	1.3	1
136	Control of Photochemical and Photocatalytic Reactions in Zeolite Micro-Cavities.. Hyomen Kagaku, 1996, 17, 270-275.	0.0	0
137	Combined Cluster Quantum Chemical MINDO/3 and Ab Initio Study on Zinc Phosphate Structures. Structural Chemistry, 2001, 12, 399-403.	1.0	0
138	The effects of the crystallization rate of the mesoporous TiO2 on the stability of the mesoporous structure after reflux. Research on Chemical Intermediates, 2009, 35, 693-703.	1.3	0
139	The effect of various calcination treatments on the photocatalytic activity of a rod-type TiO2 electrode for oxidation of ethanethiol. Research on Chemical Intermediates, 2010, 36, 453-461.	1.3	0