

Masakazu Anpo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3644319/publications.pdf>

Version: 2024-02-01

139
papers

9,073
citations

87723

38
h-index

40881

93
g-index

146
all docs

146
docs citations

146
times ranked

9025
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Z-scheme WTe ₂ /InSe van der Waals heterostructure for overall water splitting. <i>Catalysis Science and Technology</i> , 2022, 12, 3272-3280.	2.1	17
2	Suzuki cross-coupling reactions over engineered AuPd alloy nanoparticles by recycling scattered light. <i>Nano Research</i> , 2022, 15, 9967-9975.	5.8	17
3	High-performance potassium poly(heptazine imide) films for photoelectrochemical water splitting. <i>Chemical Science</i> , 2022, 13, 7541-7551.	3.7	24
4	Solution-processed fabrication of copper indium sulfide (CuInS ₂) as optical absorber for superstrate CuInS ₂ /CdS/TiO ₂ solid-state solar cells. <i>Research on Chemical Intermediates</i> , 2021, 47, 169-182.	1.3	5
5	Correlation between Photocorrosion of ZnO and Lattice Relaxation Induced by Its Surface Vacancies. <i>Journal of Physical Chemistry C</i> , 2021, 125, 3242-3255.	1.5	19
6	Cooperative Coupling of Oxidative Organic Synthesis and Hydrogen Production over Semiconductor-Based Photocatalysts. <i>Chemical Reviews</i> , 2021, 121, 13051-13085.	23.0	426
7	Gradient Zn-Doped Poly Heptazine Imides Integrated with a van der Waals Homo Junction Boosting Visible Light-Driven Water Oxidation Activities. <i>ACS Catalysis</i> , 2021, 11, 13463-13471.	5.5	54
8	Efficient Photoredox-Mediated C-C Coupling Organic Synthesis and Hydrogen Production over Engineered Semiconductor Quantum Dots. <i>ACS Catalysis</i> , 2020, 10, 14327-14335.	5.5	128
9	Electronic Anisotropy and Superconductivity in One-Dimensional Electride Ca ₃ Si. <i>Journal of Physical Chemistry C</i> , 2020, 124, 7683-7690.	1.5	18
10	Bandgap Opening of Graphdiyne Monolayer via B, N-Codoping for Photocatalytic Overall Water Splitting: Design Strategy from DFT Studies. <i>Journal of Physical Chemistry C</i> , 2020, 124, 6624-6633.	1.5	39
11	g-C ₃ N ₄ quantum dots-modified mesoporous TiO ₂ @SiO ₂ for enhanced photocatalysis. <i>Research on Chemical Intermediates</i> , 2019, 45, 4237-4247.	1.3	22
12	Enhanced photocatalytic performance of black phosphorene by isoelectronic co-dopants. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2369-2378.	3.0	12
13	Preface: Special issue of research on chemical intermediates. <i>Research on Chemical Intermediates</i> , 2019, 45, 5761-5762.	1.3	2
14	Photoelectrochemical properties of copper oxide (CuO) influenced by work functions of conductive electrodes. <i>Research on Chemical Intermediates</i> , 2019, 45, 5947-5958.	1.3	15
15	Visible light-induced conversion of biomass-derived chemicals integrated with hydrogen evolution over 2D Ni ₂ P@g-C ₃ N ₄ /TiO ₂ . <i>Research on Chemical Intermediates</i> , 2019, 45, 5935-5946.	1.3	28
16	Novel Porous Boron Nitride Nanosheet with Carbon Doping: Potential Metal-Free Photocatalyst for Visible-Light-Driven Overall Water Splitting. <i>Advanced Theory and Simulations</i> , 2019, 2, 1800174.	1.3	21
17	Computational mining of photocatalysts for water splitting hydrogen production: two-dimensional InSe-family monolayers. <i>Catalysis Science and Technology</i> , 2017, 7, 2744-2752.	2.1	123
18	Carbon Nitride Aerogels for the Photoredox Conversion of Water. <i>Angewandte Chemie</i> , 2017, 129, 11045-11050.	1.6	69

#	ARTICLE	IF	CITATIONS
19	Single-step solvothermal synthesis of mesoporous anatase TiO ₂ -reduced graphene oxide nanocomposites for the abatement of organic pollutants. <i>Research on Chemical Intermediates</i> , 2017, 43, 5187-5201.	1.3	18
20	Facile synthesis of Fe ₂ O ₃ /Cu ₂ O nanocomposite and its visible light photocatalytic activity for the degradation of cationic dyes. <i>Research on Chemical Intermediates</i> , 2017, 43, 5091-5102.	1.3	29
21	Carbon Nitride Aerogels for the Photoredox Conversion of Water. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10905-10910.	7.2	287
22	The facile synthesis of graphitic carbon nitride from amino acid and urea for photocatalytic H ₂ production. <i>Research on Chemical Intermediates</i> , 2017, 43, 5137-5152.	1.3	38
23	Preparation of tantalum oxynitride thin film photocatalysts by reactive magnetron sputtering deposition under high substrate temperature. <i>Research on Chemical Intermediates</i> , 2017, 43, 5123-5136.	1.3	6
24	Photocatalysis: A Brown Mesoporous TiO ₂ /MCF Composite with an Extremely High Quantum Yield of Solar Energy Photocatalysis for H ₂ Evolution (Small 16/2015). <i>Small</i> , 2015, 11, 1919-1919.	5.2	7
25	Photocatalytic oxidation of acetaldehyde by hybrid Pt/WO ₃ -MOR photocatalysts under visible or sunlight irradiation. <i>Research on Chemical Intermediates</i> , 2014, 40, 23-31.	1.3	4
26	Synthesis, Characterization and Photo-Activity of Vacuum Activated V ⁴⁺ and Ti ³⁺ Doped TiO ₂ . <i>Catalysis Letters</i> , 2014, 144, 1494-1498.	1.4	13
27	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. <i>Research on Chemical Intermediates</i> , 2014, 40, 2315-2325.	1.3	6
28	Effect of the sputtering parameters on the physical properties and photocatalytic reactivity of TiO ₂ thin films prepared by an RF magnetron sputtering deposition method. <i>Research on Chemical Intermediates</i> , 2013, 39, 1593-1602.	1.3	8
29	Enhanced photoelectrochemical properties of visible light-responsive TiO ₂ photoanode for separate-type Pt-free photofuel cells by Rh ³⁺ addition. <i>Research on Chemical Intermediates</i> , 2013, 39, 1603-1611.	1.3	4
30	Microstructure and hydrogen production activity of Pt-TiO ₂ prepared by precipitation-photodeposition. <i>Research on Chemical Intermediates</i> , 2013, 39, 1701-1710.	1.3	19
31	Development of dye-sensitized solar cells based on visible-light-responsive TiO ₂ thin films with a unique columnar structure. <i>Research on Chemical Intermediates</i> , 2013, 39, 415-424.	1.3	6
32	Effect of the local structures of V-oxides in MCM-41 on the photocatalytic properties for the partial oxidation of methane to methanol. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 264, 48-55.	2.0	32
33	Novel method for doping nano TiO ₂ photocatalysts by chemical vapour deposition. <i>Journal of Experimental Nanoscience</i> , 2012, 7, 42-52.	1.3	1
34	Synthesis of visible light-driven Eu, N co-doped TiO ₂ and the mechanism of the degradation of salicylic acid. <i>Research on Chemical Intermediates</i> , 2012, 38, 1947-1960.	1.3	31
35	Photocatalytic reduction of CO ₂ with H ₂ O on various titanium oxide photocatalysts. <i>RSC Advances</i> , 2012, 2, 3165.	1.7	286
36	Development of separate-type Pt-free photofuel cells based on visible-light responsive TiO ₂ photoanode. <i>Journal of Materials Chemistry</i> , 2012, 22, 10460.	6.7	18

#	ARTICLE	IF	CITATIONS
37	Tartaric acid-assisted preparation and photocatalytic performance of titania nanoparticles with controllable phases of anatase and brookite. <i>Journal of Materials Science</i> , 2012, 47, 5743-5751.	1.7	38
38	Photocatalytic oxidation of 2-propanol under visible light irradiation on TiO ₂ thin films prepared by an RF magnetron sputtering deposition method. <i>Research on Chemical Intermediates</i> , 2012, 38, 1249-1259.	1.3	7
39	Ion engineering techniques for the preparation of the highly effective TiO ₂ photocatalysts operating under visible light irradiation. <i>Research on Chemical Intermediates</i> , 2012, 38, 1261-1277.	1.3	33
40	Preparation of inorganic-organic hybrid mesoporous material incorporating organoruthenium complexes ($[C_6H_4RuCp]PF_6$) and its application as a heterogeneous catalyst. <i>Journal of Materials Chemistry</i> , 2011, 21, 12228.	6.7	17
41	Anchoring of 1,8-naphthalimide derivative into mesoporous MCM-41 molecular sieves. <i>Research on Chemical Intermediates</i> , 2011, 37, 891-899.	1.3	2
42	Preparation of macroporous SAPO-34 microspheres by a spray drying method using polystyrene spheres as hard template. <i>Research on Chemical Intermediates</i> , 2011, 37, 949-959.	1.3	17
43	N-doped anodic titania nanotube arrays for hydrogen production. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 1196-1199.	1.2	8
44	Photocatalytic Decomposition of Water on Double-Layered Visible Light-Responsive TiO ₂ Thin Films Prepared by a Magnetron Sputtering Deposition Method. <i>Catalysis Letters</i> , 2010, 135, 10-15.	1.4	30
45	Effect of Surface Treatment on the Selective Photocatalytic Oxidation of Benzyl Alcohol into Benzaldehyde by O ₂ on TiO ₂ Under Visible Light. <i>Topics in Catalysis</i> , 2010, 53, 578-583.	1.3	67
46	Synthesis of Fe ³⁺ -doped ordered mesoporous TiO ₂ with enhanced visible light photocatalytic activity and highly crystallized anatase wall. <i>Research on Chemical Intermediates</i> , 2010, 36, 83-93.	1.3	27
47	Catalysis of redox reactions by Ag@TiO ₂ and Fe ³⁺ -doped Ag@TiO ₂ core-shell type nanoparticles. <i>Research on Chemical Intermediates</i> , 2010, 36, 163-172.	1.3	15
48	The effect of various calcination treatments on the photocatalytic activity of a rod-type TiO ₂ electrode for oxidation of ethanethiol. <i>Research on Chemical Intermediates</i> , 2010, 36, 453-461.	1.3	0
49	Evaluation of Hydrophilic/Hydrophobic Properties and Wettability of Oxide Surfaces. <i>Hyomen Kagaku</i> , 2009, 30, 148-156.	0.0	7
50	Photocatalytic Hydrogen Production from Aqueous Solutions of Alcohol as Model Compounds of Biomass Using Visible Light-Responsive TiO ₂ Thin Films. <i>Catalysis Letters</i> , 2009, 127, 39-43.	1.4	23
51	Morphologic Control of Pt Supported Titanate Nanotubes and Their Photocatalytic Property. <i>Catalysis Letters</i> , 2009, 130, 28-36.	1.4	12
52	Preferential Oxidation of CO Impurities in the Presence of H ₂ on NiO-Loaded and Unloaded TiO ₂ Photocatalysts at 293 K. <i>Catalysis Letters</i> , 2009, 129, 7-11.	1.4	12
53	Photo-induced Superhydrophilicity on TiO ₂ Thin Films Prepared by an Ionized Cluster Beam Deposition Method. <i>Catalysis Letters</i> , 2009, 131, 189-193.	1.4	8
54	Photocatalytic oxidation of ethanethiol on a photoelectrochemical circuit system consisting of a rod-type TiO ₂ electrode and a silicon solar cell. <i>Research on Chemical Intermediates</i> , 2009, 35, 633-642.	1.3	4

#	ARTICLE	IF	CITATIONS
55	Preparation of the visible light responsive TiO ₂ thin film photocatalysts by the RF magnetron sputtering deposition method. <i>Research on Chemical Intermediates</i> , 2009, 35, 973-983.	1.3	12
56	Separate evolution of H ₂ and O ₂ from H ₂ O on visible light-responsive TiO ₂ thin film photocatalysts prepared by an RF magnetron sputtering method. <i>Research on Chemical Intermediates</i> , 2009, 35, 997-1004.	1.3	12
57	A simple approach for preparing a visible-light TiO ₂ photocatalyst. <i>Research on Chemical Intermediates</i> , 2009, 35, 717-726.	1.3	16
58	The effects of the crystallization rate of the mesoporous TiO ₂ on the stability of the mesoporous structure after reflux. <i>Research on Chemical Intermediates</i> , 2009, 35, 693-703.	1.3	0
59	Application of Highly Functional Ti-Oxide-Based Photocatalysts in Clean Technologies. <i>Topics in Catalysis</i> , 2009, 52, 1651-1659.	1.3	28
60	Evaluation of the Adsorption States of H ₂ O on Oxide Surfaces by Vibrational Absorption: Near- and Mid-Infrared Spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , 2009, 17, 373-384.	0.8	50
61	Enhancement of the Photocatalytic Activity Under Visible-Light Irradiation over N-doped TiO ₂ Modified by Platinum Chloride. <i>Catalysis Letters</i> , 2008, 122, 33-36.	1.4	15
62	Characteristics of the Photocatalytic Oxidation of Methane into Methanol on V-Containing MCM-41 Catalysts. <i>Catalysis Letters</i> , 2008, 124, 80-84.	1.4	48
63	Ultrasonic-assisted pH Swing Method for the Synthesis of Highly Efficient TiO ₂ Nano-size Photocatalysts. <i>Catalysis Letters</i> , 2008, 125, 183-191.	1.4	30
64	Synthesis of the Ag ⁺ -Bipyridine Complexes Anchored within MCM-41 and their Photocatalytic Reactivity for N ₂ O Reduction with CO. <i>Catalysis Letters</i> , 2008, 126, 218-223.	1.4	9
65	Photocatalytic Decomposition of Lactic Acid in Water on a Photoelectrochemical Circuit System Consisting of a Rod-type TiO ₂ Electrode and Silicon Solar Cell. <i>Topics in Catalysis</i> , 2008, 47, 162-165.	1.3	3
66	Preparation and Characterization of Multi-functional Titanium Dioxide Photocatalysts. <i>Topics in Catalysis</i> , 2008, 47, 122-130.	1.3	16
67	Improvement of the hydrothermal stability of MCM-48 mesoporous molecular sieves. <i>Research on Chemical Intermediates</i> , 2008, 34, 267-286.	1.3	3
68	Photocatalytic selective oxidation of CO with O ₂ in the presence of H ₂ over highly dispersed chromium oxide on silica under visible or solar light irradiation. <i>Research on Chemical Intermediates</i> , 2008, 34, 427-434.	1.3	9
69	Structural evaluation and photocatalytic properties of Pt-supported titanate nanotubes. <i>Research on Chemical Intermediates</i> , 2008, 34, 339-346.	1.3	11
70	Synthesis and Characterization of Nitrogen-Doped TiO ₂ Nanophotocatalyst with High Visible Light Activity. <i>Journal of Physical Chemistry C</i> , 2007, 111, 6976-6982.	1.5	943
71	Preparation, Photocatalytic Activity, and Mechanism of Nano-TiO ₂ Co-Doped with Nitrogen and Iron (III). <i>Journal of Physical Chemistry C</i> , 2007, 111, 10618-10623.	1.5	482
72	Synthesis of Nanowire TiO ₂ Thin Films by Hydrothermal Treatment and their Photoelectrochemical Properties. <i>Catalysis Letters</i> , 2007, 119, 217-221.	1.4	35

#	ARTICLE	IF	CITATIONS
73	Synthesis of dimethyl carbonate from methanol and supercritical carbon dioxide. Research on Chemical Intermediates, 2006, 32, 737-747.	1.3	26
74	Preparation and characterization of nitrogen-doped TiO ₂ photocatalyst in different acid environments. Research on Chemical Intermediates, 2006, 32, 717-724.	1.3	33
75	Preparation and Characterization of Cu/Pt/BEA Catalyst for Low Temperature CO Oxidation. Catalysis Letters, 2006, 107, 173-176.	1.4	4
76	Photocatalytic Decomposition of Formic Acid Under Visible Light Irradiation Over V-ion-implanted TiO ₂ Thin Film Photocatalysts Prepared on Quartz Substrate by Ionized Cluster Beam (ICB) Deposition Method. Catalysis Letters, 2006, 106, 67-70.	1.4	38
77	Synthesis of Pd Nanoparticles in La-doped Mesoporous Titania with Polycrystalline Framework. Catalysis Letters, 2006, 107, 19-24.	1.4	18
78	Synergistic effects of doped Fe ³⁺ and deposited Au on improving the photocatalytic activity of TiO ₂ . Catalysis Letters, 2006, 111, 207-211.	1.4	39
79	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
80	High activity TiO ₂ Photocatalysts Prepared by a Modified Sol-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
81	Photoreduction of Carbondioxide on Surface Functionalized Nanoporous Catalysts. Topics in Catalysis, 2005, 35, 311-319.	1.3	91
82	Effect of γ -ray Irradiation on the Wettability of TiO ₂ Single Crystals. Topics in Catalysis, 2005, 35, 327-330.	1.3	42
83	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
84	A novel deposition precipitation method for preparation of Ag-loaded titanium dioxide. Catalysis Letters, 2005, 102, 247-250.	1.4	164
85	Preparation of Unique TiO ₂ 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
86	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
87	Photocatalytic Reduction of CO ₂ with H ₂ O on Ti-Containing Mesoporous Silica Hydrophobically Modified Using Fluoride Ions. Studies in Surface Science and Catalysis, 2004, 153, 289-294.	1.5	12
88	Photo-Assisted Synthesis of V-MCM-41 Under UV Light Irradiation. Catalysis Letters, 2004, 97, 49-52.	1.4	10
89	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
90	C1-C2 bond cleavage in vinylidenecyclopropanes: Theoretical density functional theory study. International Journal of Quantum Chemistry, 2004, 96, 343-348.	1.0	9

#	ARTICLE	IF	CITATIONS
91	Intrinsic band gap shift in Ti silicalites modified by V ion implantation: Ab initio and density functional theory study. <i>International Journal of Quantum Chemistry</i> , 2004, 96, 349-354.	1.0	4
92	High Performance Photocatalytic Reduction of CO ₂ with H ₂ O by TiSBA-15 Mesoporous Material. <i>Studies in Surface Science and Catalysis</i> , 2004, 153, 299-302.	1.5	13
93	Local Structures of Active Sites on Ti-MCM-41 and Their Photocatalytic Reactivity for the Decomposition of NO. <i>Catalysis Letters</i> , 2003, 90, 161-163.	1.4	32
94	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. <i>Catalysis Letters</i> , 2003, 91, 111-113.	1.4	14
95	Effect of the addition of propane and distortion of tetrahedral vanadium(V) species in VSil ² zeolites on the photodecomposition of NO. <i>Research on Chemical Intermediates</i> , 2003, 29, 665-680.	1.3	17
96	Visible-light-responsive photocatalytic reaction on tetrahedrally-coordinated chromium oxide moieties loaded on ZSM-5 zeolites and HMS mesoporous silica: partial oxidation of propane. <i>Research on Chemical Intermediates</i> , 2003, 29, 881-890.	1.3	28
97	The design and development of highly reactive titanium oxide photocatalysts operating under visible light irradiation. <i>Journal of Catalysis</i> , 2003, 216, 505-516.	3.1	1,529
98	Preparation of Titanium-Silicon Binary Oxide Thin Film Photocatalysts by an Ionized Cluster Beam Deposition Method. Their Photocatalytic Activity and Photoinduced Super-Hydrophilicity. <i>Journal of Physical Chemistry B</i> , 2003, 107, 14278-14282.	1.2	47
99	Design of TiO ₂ /Activated Carbon Fiber Systems by An Ionized Cluster Beam Method and Their Application for the Photocatalytic Water Purification. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 388, 39-44.	0.4	11
100	Photocatalytic Reduction of CO ₂ with H ₂ O on Various Titanium Oxide Catalysts. <i>ACS Symposium Series</i> , 2002, , 330-343.	0.5	13
101	Photocatalytic Reduction of CO ₂ with H ₂ O on Titanium Oxides Prepared within Zeolites and Mesoporous Molecular Sieves. <i>Electrochemistry</i> , 2002, 70, 402-408.	0.6	16
102	Title is missing!. <i>Topics in Catalysis</i> , 2002, 18, 95-100.	1.3	94
103	Photocatalytic Reduction of CO ₂ with H ₂ O on Ti-Containing Porous Silica Thin Film Photocatalysts. <i>Catalysis Letters</i> , 2002, 80, 111-114.	1.4	87
104	Photocatalytic reactions on chromium containing mesoporous silica molecular sieves (Cr-HMS) under visible light irradiation: decomposition of NO and partial oxidation of propane. <i>Chemical Communications</i> , 2001, , 435-436.	2.2	123
105	Photocatalytic Reduction of CO ₂ with H ₂ O on Ti Zeolite Photocatalysts: Effect of the Hydrophobic and Hydrophilic Properties. <i>Journal of Physical Chemistry B</i> , 2001, 105, 8350-8355.	1.2	287
106	Transparent Self-Standing Films of Titanium-Containing Nanoporous Silica. <i>Chemistry of Materials</i> , 2001, 13, 2900-2904.	3.2	68
107	Preparation of TiO ₂ Thin Film Photocatalysts Working under Visible Light Irradiation by Applying a RF Magnetron Sputtering Deposition Method.. <i>Hyomen Kagaku</i> , 2001, 22, 561-565.	0.0	41
108	Selective catalytic reduction of nitric oxide with ammonia: A theoretical ab initio study. <i>International Journal of Quantum Chemistry</i> , 2001, 84, 677-685.	1.0	21

#	ARTICLE	IF	CITATIONS
109	Title is missing!. Catalysis Letters, 2001, 71, 91-93.	1.4	18
110	Combined Cluster Quantum Chemical MINDO/3 and Ab Initio Study on Zinc Phosphate Structures. Structural Chemistry, 2001, 12, 399-403.	1.0	0
111	Direct observation of interfacial hole transfer from a photoexcited TiO ₂ particle to an adsorbed molecule SCN ⁻ by femtosecond diffuse reflectance spectroscopy. Research on Chemical Intermediates, 2001, 27, 177-187.	1.3	54
112	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
113	Title is missing!. Catalysis Letters, 2000, 68, 101-103.	1.4	24
114	Title is missing!. Catalysis Letters, 2000, 67, 135-137.	1.4	180
115	Photocatalytic decomposition of NO on Ti-HMS mesoporous zeolite catalysts. Catalysis Letters, 2000, 66, 241-243.	1.4	35
116	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
117	Utilization of TiO ₂ photocatalysts in green chemistry. Pure and Applied Chemistry, 2000, 72, 1265-1270.	0.9	226
118	Evidence of Three Kinds of Tetrahedral Vanadium (V) Species in VSi ² Zeolite by Diffuse Reflectance UV-Visible and Photoluminescence Spectroscopies. Journal of Physical Chemistry B, 2000, 104, 6012-6020.	1.2	129
119	In Situ Investigation of the Photocatalytic Decomposition of NO on the Ti-HMS under Flow and Closed Reaction Systems. Journal of Physical Chemistry B, 2000, 104, 11501-11505.	1.2	42
120	Generation of superoxide ions at oxide surfaces. Topics in Catalysis, 1999, 8, 189-198.	1.3	312
121	Charge Carrier Dynamics of Standard TiO ₂ Catalysts Revealed by Femtosecond Diffuse Reflectance Spectroscopy. Journal of Physical Chemistry B, 1999, 103, 3120-3127.	1.2	269
122	Fluorescence Properties of 2,5-Bis(4-(diethylamino)phenyl)-1,3,4-oxadiazole Molecules Encapsulated in SiO ₂ and Si-Ti Binary Oxide Matrixes by the Sol-Gel Method. Langmuir, 1999, 15, 77-82.	1.6	11
123	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
124	Photoluminescence properties of tetrahedral titanium oxide species in zeolitic materials. Catalysis Letters, 1998, 53, 107-109.	1.4	22
125	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
126	Characterization of Ti/Si binary oxides prepared by the sol-gel method and their photocatalytic properties: The hydrogenation and hydrogenolysis of CH ₃ CCH with H ₂ O. Korean Journal of Chemical Engineering, 1998, 15, 491-495.	1.2	14

#	ARTICLE	IF	CITATIONS
127	Probing Different Kinds of Vanadium Species in the VSi ² Zeolite by Diffuse Reflectance UV-Visible and Photoluminescence Spectroscopies. Journal of Physical Chemistry B, 1998, 102, 6309-6312.	1.2	104
128	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
129	Preparation of Titanium Oxide/Activated Carbon Fiber Photocatalysts Using an Ionized Cluster Beam Method. Tanso, 1998, 1998, 296-298.	0.1	4
130	Photocatalytic decomposition of N ₂ O on Cu+/Y-zeolite catalysts prepared by ion-exchange. Korean Journal of Chemical Engineering, 1997, 14, 498-501.	1.2	17
131	Control of Photochemical and Photocatalytic Reactions in Zeolite Micro-Cavities.. Hyomen Kagaku, 1996, 17, 270-275.	0.0	0
132	Photoluminescence properties of La ₂ O ₃ methane coupling catalysts. Topics in Catalysis, 1996, 3, 115-120.	1.3	2
133	The Photocatalytic Reduction of CO ₂ with H ₂ O on Titanium Oxide Catalysts.. Sekiyu Gakkaishi (Journal) Tj ETQq1 1,0,784314 rgBT /Ove 0,1	0.1	3
134	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
135	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
136	Photoluminescence and FT-IR studies of the dissociative adsorption of H ₂ on the active ZrO ₂ catalyst and its role in the hydrogenation of CO. Research on Chemical Intermediates, 1990, 13, 195-202.	1.3	28
137	Preparation of supported vanadium oxide by photochemical-anchoring method and photocatalytic reactions on it.. Hyomen Kagaku, 1990, 11, 39-44.	0.0	3
138	Photocatalytic Reactions on Metal Oxides and Their Primary Processes. Hyomen Kagaku, 1983, 4, 200-211.	0.0	3
139	Computational discovery of In ₂ XY ₂ (X, Y = S, Se, and Te; X ≠ Y) monolayers as multifunctional energy conversion materials. Journal of Materials Chemistry C, 0, , .	2.7	4