

Yoshihisa Ohko

List of Publications by Year in descending order

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35
papers

4,605
citations

218677

26
h-index

395702

33
g-index

35
all docs

35
docs citations

35
times ranked

4950
citing authors

#	ARTICLE	IF	CITATIONS
1	Multicolour photochromism of TiO ₂ films loaded with silver nanoparticles. <i>Nature Materials</i> , 2003, 2, 29-31.	27.5	614
2	Kinetics of Photocatalytic Reactions under Extremely Low-Intensity UV Illumination on Titanium Dioxide Thin Films. <i>Journal of Physical Chemistry A</i> , 1997, 101, 8057-8062.	2.5	449
3	Degradation of Bisphenol A in Water by TiO ₂ Photocatalyst. <i>Environmental Science & Technology</i> , 2001, 35, 2365-2368.	10.0	380
4	TiO ₂ -WO ₃ Photoelectrochemical Anticorrosion System with an Energy Storage Ability. <i>Chemistry of Materials</i> , 2001, 13, 2838-2842.	6.7	334
5	TiO ₂ Films Loaded with Silver Nanoparticles: Control of Multicolor Photochromic Behavior. <i>Journal of the American Chemical Society</i> , 2004, 126, 3664-3668.	13.7	331
6	17 β -Estradiol Degradation by TiO ₂ Photocatalysis as a Means of Reducing Estrogenic Activity. <i>Environmental Science & Technology</i> , 2002, 36, 4175-4181.	10.0	269
7	Energy Storage of TiO ₂ -WO ₃ Photocatalysis Systems in the Gas Phase. <i>Langmuir</i> , 2002, 18, 7777-7779.	3.5	227
8	Autoxidation of Acetaldehyde Initiated by TiO ₂ Photocatalysis under Weak UV Illumination. <i>Journal of Physical Chemistry B</i> , 1998, 102, 2699-2704.	2.6	216
9	Electron transport in silver-semiconductor nanocomposite films exhibiting multicolor photochromism. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 3851.	2.8	178
10	Kinetic Analysis of the Photocatalytic Degradation of Gas-Phase 2-Propanol under Mass Transport-Limited Conditions with a TiO ₂ Film Photocatalyst. <i>Journal of Physical Chemistry B</i> , 1998, 102, 1724-1729.	2.6	169
11	Self-sterilizing and self-cleaning of silicone catheters coated with TiO ₂ photocatalyst thin films: A preclinical work. <i>Journal of Biomedical Materials Research Part B</i> , 2001, 58, 97-101.	3.1	137
12	Bactericidal effect of an energy storage TiO ₂ -WO ₃ photocatalyst in dark. <i>Electrochemistry Communications</i> , 2003, 5, 793-796.	4.7	127
13	Control of the Optical Band Structure of Liquid Crystal Infiltrated Inverse Opal by a Photoinduced Nematic-Isotropic Phase Transition. <i>Journal of the American Chemical Society</i> , 2002, 124, 10950-10951.	13.7	115
14	Degradation of malachite green on Pd/WO ₃ photocatalysts under simulated solar light. <i>Journal of Hazardous Materials</i> , 2010, 184, 386-391.	12.4	107
15	Self-sterilization using silicone catheters coated with Ag and TiO ₂ nanocomposite thin film. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 85B, 453-460.	3.4	103
16	Charge-discharge behavior of TiO ₂ -WO ₃ photocatalysis systems with energy storage ability. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 3234-3237.	2.8	98
17	Photocatalytic Oxidation of Nitrogen Dioxide with TiO ₂ Thin Films under Continuous UV-Light Illumination. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10502-10508.	3.1	90
18	Switchable rewritability of Ag-TiO ₂ nanocomposite films with multicolor photochromism. <i>Chemical Communications</i> , 2005, , 1288-1290.	4.1	88

#	ARTICLE	IF	CITATIONS
19	Photocatalytic decomposition of estrogens in aquatic environment by reciprocating immersion of TiO ₂ -modified polytetrafluoroethylene mesh sheets. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 160, 115-120.	3.9	73
20	Photocatalytic oxidation of nitrogen monoxide using TiO ₂ thin films under continuous UV light illumination. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 205, 28-33.	3.9	70
21	Decomposition of endocrine-disrupting chemicals in water by use of TiO ₂ photocatalysts immobilized on polytetrafluoroethylene mesh sheets. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 151, 207-212.	3.9	66
22	Metal-Coated Colloidal Crystal Film as Surface-Enhanced Raman Scattering Substrate. <i>Langmuir</i> , 2002, 18, 5043-5046.	3.5	55
23	Removal of methyl mercaptan with highly-mobile silver on graphitic carbon-nitride (g-C ₃ N ₄) photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2016, 198, 133-141.	20.2	52
24	Self-sterilizing catheters with titanium dioxide photocatalyst thin films for clean intermittent catheterization: Basis and study of clinical use. <i>International Journal of Urology</i> , 2007, 14, 426-430.	1.0	50
25	Characterization of TiO ₂ Photocatalysis in the Gas Phase as a Photoelectrochemical System: Behavior of Salt-Modified Systems. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10016-10021.	2.6	37
26	Comparative study of microbial dechlorination of chlorinated ethenes in an aquifer and a clayey aquitard. <i>Journal of Contaminant Hydrology</i> , 2011, 124, 14-24.	3.3	35
27	Surface diffusion behavior of photo-generated active species or holes on TiO ₂ photocatalysts. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 4764.	2.8	26
28	X-ray induced photoelectrochemistry on TiO ₂ . <i>Electrochimica Acta</i> , 2007, 52, 6938-6942.	5.2	26
29	SrTiO ₃ -WO ₃ Photocatalysis Systems with an Energy Storage Ability. <i>Electrochemistry</i> , 2002, 70, 460-462.	1.4	23
30	Estimating the viability of <i>Chlorella</i> exposed to oxidative stresses based around photocatalysis. <i>International Biodeterioration and Biodegradation</i> , 2013, 78, 1-6.	3.9	18
31	Prevention of <i>Phormidium tenue</i> Biofilm Formation by TiO ₂ Photocatalysis. <i>Microbes and Environments</i> , 2009, 24, 241-245.	1.6	16
32	Unexpected release of HNO ₃ and related species from UV-illuminated TiO ₂ surface into air in photocatalytic oxidation of NO ₂ . <i>Environmental Chemistry Letters</i> , 2010, 8, 289-294.	16.2	14
33	Highly selective photocatalytic reduction of NO ₂ in air to NO using Cu ²⁺ -loaded TiO ₂ thin films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 206, 27-31.	3.9	11
34	Self-sterilizing and self-cleaning of silicone catheters coated with TiO ₂ photocatalyst thin films: A preclinical work. , 2001, 58, 97.		1
35	Mechanism and Applications of Energy Storage Photocatalyst.. <i>Hyomen Kagaku</i> , 2003, 24, 13-18.	0.0	0