

Heterogeneous photocatalysis Transition metal ions in

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Underpotential Photocatalytic Deposition: A New Preparative Route to Composite Semiconductors. <i>Chemistry of Materials</i> , 2000, 12, 3538-3540.	6.7	34
2	Quantitative Determination of Titanium Lattice Defects and Solid-State Reaction Mechanism in Iron-Doped TiO <sub>2</sub> Photocatalysts. <i>Journal of Physical Chemistry B</i> , 2001, 105, 9692-9698.	2.6	241
3	Modern chemistry of nitrous oxide. <i>Russian Chemical Reviews</i> , 2001, 70, 91-104.	6.5	74
4	Photocatalytic activity of transition-metal-loaded titanium(IV) oxide powders suspended in aqueous solutions: Correlation with electron-hole recombination kinetics. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 267-273.	2.8	192
5	Experimental Evidence in Favor of an Initial One-Electron-Transfer Process in the Heterogeneous Photocatalytic Reduction of Chromium(VI) over TiO <sub>2</sub> . <i>Langmuir</i> , 2001, 17, 3515-3517.	3.5	108
6	Effects of zinc(II) and iron(III) doping of titania films on their photoreactivity to decompose rhodamine B. <i>Journal of Materials Research</i> , 2001, 16, 2928-2933.	2.6	25
7	Kinetics and mechanisms of EDTA photocatalytic degradation with TiO <sub>2</sub> . <i>Water Science and Technology</i> , 2001, 44, 179-185.	2.5	51
8	Oxidation of p-hydroxybenzoic acid by UV radiation and by TiO <sub>2</sub> /UV radiation: comparison and modelling of reaction kinetic. <i>Journal of Hazardous Materials</i> , 2001, 83, 255-264.	12.4	109
9	Photodecomposition of 2,4-dinitroaniline on Li/TiO <sub>2</sub> and Rb/TiO <sub>2</sub> nanocrystallite sol-gel derived catalysts. <i>Journal of Molecular Catalysis A</i> , 2001, 167, 101-107.	4.8	66
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12	Degradation of Sucrose and Nitrate Over Titania Coated Nano-hematite Photocatalysts. <i>Journal of Nanoparticle Research</i> , 2001, 3, 289-302.	1.9	38
13	Title is missing!. <i>Journal of Sol-Gel Science and Technology</i> , 2001, 22, 99-107.	2.4	73
14	TiO <sub>2</sub> -photocatalyzed degradation of phenol and ortho-substituted phenolic compounds. <i>Applied Catalysis B: Environmental</i> , 2001, 30, 359-373.	20.2	200
15	Sonophotocatalytic destruction of organic contaminants in aqueous systems on TiO <sub>2</sub> powders. <i>Applied Catalysis B: Environmental</i> , 2001, 32, 95-105.	20.2	103
16	STRATEGIES FOR REGENERATION OF COPPER(0)-DEPOSITED TiO <sub>2</sub> PHOTOCATALYTIC FILM. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2002, 37, 1545-1562.	1.7	9
18	Chronopotentiometry of Titania Film Electrodes in Aqueous Media. <i>Journal of Physical Chemistry B</i> , 2002, 106, 11531-11538.	2.6	9
20	PHOTOCATALYTIC DETOXIFICATION OF MICROCYSTINS COMBINED WITH FERRATE PRETREATMENT. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2002, 37, 641-649.	1.7	11

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27	Radical-mediated photoreduction of manganese(II) species in UV-irradiated titania suspensions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 147, 199-204.	3.9	18
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35	EDTA destruction using the solar ferrioxalate advanced oxidation technology (AOT). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 151, 121-127.	3.9	70
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40	The Formation of Nano-sized Selenium-titanium Dioxide Composite Semiconductors by Photocatalysis. <i>Journal of Nanoparticle Research</i> , 2002, 4, 541-552.	1.9	45
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47	Probing the extent of [O <sub>2</sub> ] depletion and [Cl <sup>•</sup> ] production simultaneously at an illuminated TiO <sub>2</sub> surface employing simple electrochemical methods. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 154, 229-234.	3.9	3
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53	Effects of nano-Ag particles loading on TiO <sub>2</sub> photocatalytic reduction of selenate ions. <i>Chemical Engineering Journal</i> , 2003, 95, 179-186.	12.7	161
54	Effect of sulfation on the photoactivity of TiO <sub>2</sub> sol-gel derived catalysts. <i>Journal of Molecular Catalysis A</i> , 2003, 193, 217-226.	4.8	94
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56	Photo-catalytic conversion of methane into methanol using visible laser. <i>Applied Catalysis A: General</i> , 2003, 243, 165-174.	4.3	79

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58	Effect of silver doping on the phase transformation and grain growth of sol-gel titania powder. <i>Journal of the European Ceramic Society</i> , 2003, 23, 1457-1464.	5.7	276
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71	Photocatalysed degradation of a herbicide derivative, bromacil, in aqueous suspensions of titanium dioxide. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 151.	2.9	23
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94	Characterization of Fe <sup>3+</sup> -TiO <sub>2</sub> photocatalysts synthesized by hydrothermal method and their photocatalytic reactivity for photodegradation of XRC dye diluted in water. <i>Journal of Molecular Catalysis A</i> , 2004, 216, 35-43.	4.8	496
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130	Phototransformation of metobromuron in the presence of TiO <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , 2005, 59, 147-154.	20.2	68
131	Photocatalytic degradation of acetone by Ni-doped titania thin films prepared by dc reactive sputtering. <i>Applied Catalysis B: Environmental</i> , 2005, 60, 155-162.	20.2	21
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