Wei-min Cai

List of Publications by Year
in descending order

105	6,805	76326	60623
papers	citations	40 h-index	81 g-index

106	106	106	8835
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Inhibition of Human UDP-Glucuronosyltransferases1A1â€“Mediated Bilirubin Glucuronidation by the Popular Flavonoids Baicalein, Baicalin, and Hyperoside Is Responsible for Herb (Shuang-Huang-Lian)-Induced Jaundice. Drug Metabolism and Disposition, 2022, 50, 552-565.	3.3	3
2	A Novel Method for Predicting the Human Inherent Clearance and Its Application in the Study of the Pharmacokinetics and Drugâ€“Drug Interaction between Azidothymidine and Fluconazole Mediated by UGT Enzyme. Pharmaceutics, 2021, 13, 1734.	4.5	1
3	Discussion on mixed use of rural residential land research framework. Journal of Natural Resources, 2020, 35, 2929.	0.6	6
4	Establishment of rat liver microsome-hydrogel system for inÂvitro phase II metabolism and its application to study pharmacological effects of UGT substrates. Drug Metabolism and Pharmacokinetics, 2019, 34, 141-147.	2.2	6
5	Novel in vitro dynamic metabolic system for predicting the human pharmacokinetics of tolbutamide. Acta Pharmacologica Sinica, 2018, 39, 1522-1532.	6.1	1
6	Establishment and assessment of a novel in vitro bio-PK/PD system in predicting the in vivo pharmacokinetics and pharmacodynamics of cyclophosphamide. Xenobiotica, 2018, 48, 368-375.	1.1	4
7	Spatio-temporal differences and factors influencing intensive cropland use in the Huang-Huai-Hai Plain. Journal of Chinese Geography, 2018, 28, 1626-1640.	3.9	14
8	Inhibition of Human UGT1A1-Mediated Bilirubin Glucuronidation by Polyphenolic Acids Impact Safety of Popular Salvianolic Acid A/B-Containing Drugs and Herbal Products. Molecular Pharmaceutics, 2017, 14, 2952-2966.	4.6	12
9	Productive functional evolution of rural settlements: analysis of livelihood strategy and land use transition in eastern China. Journal of Mountain Science, 2017, 14, 2540-2554.	2.0	14
10	Drug activity screening based on microsomes-hydrogel system in predicting metabolism induced antitumor effect of oroxylin A. Scientific Reports, 2016, 6, 21604.	3.3	9
11	Sulfur Dioxide Capture by Heterogeneous Oxidation on Hydroxylated Manganese Dioxide. Environmental Science & Technology, 2016, 50, 5809-5816.	10.0	20
12	Understanding the composition and electronic structure dependent photocatalytic performance of bismuth oxyiodides. Journal of Materials Chemistry A, 2015, 3, 5592-5598.	10.3	90
13	Application of a New Dynamic Model to Predict the In Vitro Intrinsic Clearance of Tolbutamide Using Rat Microsomes Encapsulated in a Fab Hydrogel. Drug Metabolism and Disposition, 2015, 44, 40-49.	3.3	5
14	Physicochemical characteristics and gastrointestinal absorption behaviors ofS-propargyl-cysteine, a potential new drug candidate for cardiovascular protection and antitumor treatment. Xenobiotica, 2015, 45, 322-334.	1.1	4
15	Simultaneous determination of bilirubin and its glucuronides in liver microsomes and recombinant UGT1A1 enzyme incubation systems by HPLC method and its application to bilirubin glucuronidation studies. Journal of Pharmaceutical and Biomedical Analysis, 2014, 92, 149-159.	2.8	30
16	Bioprocess intensification: an aqueous two-phase process for the purification of C-phycocyanin from dry Spirulina platensis. European Food Research and Technology, 2014, 238, 451-457.	3.3	40
17	Aerated visible-light responsive photocatalytic fuel cell for wastewater treatment with producing sustainable electricity in neutral solution. Chemical Engineering Journal, 2014, 252, 89-94.	12.7	58
18	Identification of UDP-glucuronosyltransferase isoforms responsible for leonurine glucuronidation in human liver and intestinal microsomes. Xenobiotica, 2014, 44, 775-784.	1.1	6

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19	Advanced nanoarchitectures of silver/silver compound composites for photochemical reactions. Nanoscale, 2014, 6, 7730-7742.	5.6	38
20	Origin of Visible Light Photoactivity of Reduced Graphene Oxide/TiO₂ by in Situ Hydrothermal Growth of Undergrown TiO₂ with Graphene Oxide. Journal of Physical Chemistry C, 2013, 117, 16734-16741.	3.1	113
21	One-step synthesis of Pt nanoparticles/reduced graphene oxide composite with enhanced electrochemical catalytic activity. Science China Chemistry, 2013, 56, 354-361.	8.2	20
22	Encapsulation of liver microsomes into a thermosensitive hydrogel for characterization of drug metabolism and toxicity. Biomaterials, 2013, 34, 9770-9778.	11.4	18
23	Preclinical assessment of the distribution, metabolism, and excretion of S-propargyl-cysteine, a novel H2S donor, in Sprague-Dawley rats. Acta Pharmacologica Sinica, 2012, 33, 839-844.	6.1	13
24	Microbial degradation of polyacrylamide by aerobic granules. Environmental Technology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	2.2	29
25	Controlled growth of spinel CuAl2O4/Cu hybrid nanorods array by electrodeposition in porous aluminum oxide template. Journal of Alloys and Compounds, 2012, 545, 53-56.	5.5	5
26	Bioavailability and pharmacokinetics of S-propargyl-L-cysteine, a novel cardioprotective agent, after single and multiple doses in Beagle dogs. Xenobiotica, 2012, 42, 304-309.	1.1	7
27	Assessment of a COD analytical method based on the photoelectrocatalysis of a TiO2 nanotube array sensor. Analytical Methods, 2012, 4, 1790.	2.7	13
28	Visible-Light Responsive Photocatalytic Fuel Cell Based on WO₃/W Photoanode and Cu₂O/Cu Photocathode for Simultaneous Wastewater Treatment and Electricity Generation. Environmental Science & Technology, 2012, 46, 11451-11458.	10.0	167
29	Preparation and Characterization of Freestanding Hierarchical Porous TiO2 Monolith Modified with Graphene Oxide. Nano-Micro Letters, 2012, 4, 90-97.	27.0	22
30	High incidence of severe neutropenia after gemcitabine-based chemotherapy in Chinese cancer patients with CDA 79A>C mutation. Clinica Chimica Acta, 2012, 413, 1284-1287.	1.1	19
31	Quantification of leonurine, a novel potential cardiovascular agent, in rat plasma by liquid chromatographyâ€“tandem mass spectrometry and its application to pharmacokinetic study in rats. Biomedical Chromatography, 2012, 26, 518-523.	1.7	10
32	Photoelectrocatalytic degradation of refractory organic compounds enhanced by a photocatalytic fuel cell. Applied Catalysis B: Environmental, 2012, 111-112, 485-491.	20.2	110
33	Preparation of well-aligned WO3 nanoflake arrays vertically grown on tungsten substrate as photoanode for photoelectrochemical water splitting. Electrochemistry Communications, 2012, 20, 153-156.	4.7	52
34	Synthesis and photocatalytic performance of the efficient visible light photocatalyst Agâ€“AgCl/BiVO4. Journal of Molecular Catalysis A, 2012, 353-354, 22-28.	4.8	124
35	Reduction of graphene oxide by an in-situ photoelectrochemical method in a dye-sensitized solar cell assembly. Nanoscale Research Letters, 2012, 7, 101.	5.7	56
36	Effect of Gold Nanoparticles on the Photocatalytic and Photoelectrochemical Performance of Au Modified BiVO4. Nano-Micro Letters, 2011, 3, 171-177.	27.0	57

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37	Efficient electricity production and simultaneously wastewater treatment via a high-performance photocatalytic fuel cell. Water Research, 2011, 45, 3991-3998.	11.3	138
38	Characterization and Mechanism of the Photoelectrocatalytic Oxidation of Organic Pollutants in a Thin-Layer Reactor. Chinese Journal of Catalysis, 2011, 32, 1357-1363.	14.0	6
39	A TiO2-nanotube-array-based photocatalytic fuel cell using refractory organic compounds as substrates for electricity generation. Chemical Communications, 2011, 47, 10314.	4.1	156
40	Rapid Allele-Specific PCR method for CDA 79A > C (K27Q) genotyping: A useful pharmacogenetic tool and world-wide polymorphism distribution. Clinica Chimica Acta, 2011, 412, 2237-2240.	1.1	4
41	Population pharmacokinetic study of cyclosporine in Chinese renal transplant recipients. European Journal of Clinical Pharmacology, 2011, 67, 601-612.	1.9	18
42	Preparation and characterization of nanoparticle Ru:TiO2 films and their photocatalytic activity. Rare Metals, 2011, 30, 254-258.	7.1	6
43	Visible light responsive TiO2 modification with nonmetal elements. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2011, 6, 190-199.	0.4	10
44	Effect of Structural Parameters of TiO₂ Nanotube Arrays upon Their Photocatalytic/Photoelectrocatalytic Performance. Chinese Journal of Chemistry, 2011, 29, 2236-2242.	4.9	2
45	Highly stable CdS-modified short TiO2 nanotube array electrode for efficient visible-light hydrogen generation. International Journal of Hydrogen Energy, 2011, 36, 167-174.	7.1	115
46	Alkoxyl-derived visible light activity of TiO2 synthesized at low temperature. Journal of Molecular Catalysis A, 2011, 335, 97-104.	4.8	10
47	Determination of S-propargyl-cysteine in rat plasma by mixed-mode reversed-phase and cation-exchange HPLCâ€“MS/MS method and its application to pharmacokinetic studies. Journal of Pharmaceutical and Biomedical Analysis, 2011, 54, 1187-1191.	2.8	14
48	Effect of Gold Nanoparticles on the Photocatalytic and Photoelectrochemical Performance of Au Modified BiVO4. , 2011, 3, 171.		4
49	Establishment of High-Performance Liquid Chromatography and Enzyme Multiplied Immunoassay Technology Methods for Determination of Free Mycophenolic Acid and Its Application in Chinese Liver Transplant Recipients. Therapeutic Drug Monitoring, 2010, 32, 653-660.	2.0	31
50	Photoelectrochemical degradation of methyl orange by TiO2 nanopore arrays electrode and its comparison with TiO2 nanotube arrays electrode. Water Science and Technology, 2010, 62, 2783-2789.	2.5	1
51	Synthesis of Visible-Light Responsive Graphene Oxide/TiO₂ Composites with p/n Heterojunction. ACS Nano, 2010, 4, 6425-6432.	14.6	829
52	A novel thin-layer photoelectrocatalytic (PEC) reactor with double-faced titania nanotube arrays electrode for effective degradation of tetracycline. Applied Catalysis B: Environmental, 2010, 98, 154-160.	20.2	57
53	Template-free solâ€“gel preparation and characterization of free-standing visible light responsive C,N-modified porous monolithic TiO2. Journal of Hazardous Materials, 2010, 178, 560-565.	12.4	24
54	Preparation of visible light-responsive AgBiO3 bactericide and its control effect on the Microcystis aeruginosa. Journal of Photochemistry and Photobiology B: Biology, 2010, 101, 265-270.	3.8	45

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55	Optical, structural and thermal characteristics of Cuâ€“CuAl2O4 hybrids deposited in anodic aluminum oxide as selective solar absorber. Solar Energy Materials and Solar Cells, 2010, 94, 1578-1581.	6.2	46
56	A new glass substrate photoelectrocatalytic electrode for efficient visible-light hydrogen production: CdS sensitized TiO2 nanotube arrays. Applied Catalysis B: Environmental, 2010, 95, 408-413.	20.2	120
57	Kinetics and Mechanisms for Photoelectrochemical Degradation of Glucose on Highly Effective Self-Organized TiO2 Nanotube Arrays. Chinese Journal of Catalysis, 2010, 31, 163-170.	14.0	10
58	Enhanced Photoelectrochemical Properties of Cu2O-loaded Short TiO2 Nanotube Array Electrode Prepared by Sonoelectrochemical Deposition. Nano-Micro Letters, 2010, 2, 277-284.	27.0	55
59	Synthesis and Photocatalytic Application of Hierarchical Macroporous TiO2 with Mesocellular Foam Structure Using Eggshell Membrane as Template. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	1
60	Low temperature hydrothermal synthesis of N-doped TiO2 photocatalyst with high visible-light activity. Journal of Alloys and Compounds, 2010, 502, 289-294.	5.5	113
61	Enhanced Photoelectrochemical Properties of Cu2O-loaded Short TiO2 Nanotube Array Electrode Prepared by Sonoelectrochemical Deposition. , 2010, 2, 277.		4
62	Detection of C1236T, G2677T/A, and C3435T polymorphism of MDR1 by amplification refractory mutation system PCR. Journal of Clinical Laboratory Analysis, 2009, 23, 110-116.	2.1	19
63	Comparison of photoelectrochemical properties of TiO2-nanotube-array photoanode prepared by anodization in different electrolyte. Environmental Chemistry Letters, 2009, 7, 363-368.	16.2	48
64	Mechanisms of the stimulatory effects of rhamnolipid biosurfactant on rice straw hydrolysis. Applied Energy, 2009, 86, S233-S237.	10.1	52
65	Synthesis and characterization of self-cleaning cotton fabrics modified by TiO2 through a facile approach. Surface and Coatings Technology, 2009, 203, 3728-3733.	4.8	133
66	Photoelectrocatalytic degradation of tetracycline by highly effective TiO2 nanopore arrays electrode. Journal of Hazardous Materials, 2009, 171, 678-683.	12.4	143
67	Preparation, characterization and visible-light activity of carbon modified TiO2 with two kinds of carbonaceous species. Journal of Molecular Catalysis A, 2009, 314, 35-41.	4.8	92
68	Efficient photochemical water splitting and organic pollutant degradation by highly ordered TiO2 nanopore arrays. Applied Catalysis B: Environmental, 2009, 89, 142-148.	20.2	96
69	Preparation of short, robust and highly ordered TiO2 nanotube arrays and their applications as electrode. Applied Catalysis B: Environmental, 2009, 92, 326-332.	20.2	69
70	Estimating N-acetyltransferase metabolic activity and pharmacokinetic parameters of isoniazid from genotypes in Chinese subjects. Clinica Chimica Acta, 2009, 405, 23-29.	1.1	8
71	Photoelectrocatalytic COD determination method using highly ordered TiO2 nanotube array. Water Research, 2009, 43, 1986-1992.	11.3	81
72	In-situ synthesis of photocatalytic CuAl2O4â€“Cu hybrid nanorod arrays. Chemical Communications, 2009, , 3588.	4.1	20

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73	Preparation of photocatalytic anatase nanowire films byin situoxidation of titanium plate. Nanotechnology, 2009, 20, 185703.	2.6	58
74	Use of starter culture of Lactobacillus plantarum BP04 in the preservation of dining-hall food waste. World Journal of Microbiology and Biotechnology, 2008, 24, 2249-2256.	3.6	8
75	Enhanced degradation of aqueous methyl orange by contact glow discharge electrolysis using Fe2+ as catalyst. Journal of Applied Electrochemistry, 2008, 38, 1749-1755.	2.9	38
76	The formation mechanism of titania nanotube arrays in hydrofluoric acid electrolyte. Journal of Materials Science, 2008, 43, 1880-1884.	3.7	76
77	Structure and photochromism of polyoxometalates nanoparticles in cross-linked polymer networks. Journal of Materials Science: Materials in Electronics, 2008, 19, 295-299.	2.2	4
78	Lactic acid production from diningâ€hall food waste by Lactobacillus plantarum using response surface methodology. Journal of Chemical Technology and Biotechnology, 2008, 83, 1541-1550.	3.2	20
79	Adsorption of 4â€tertâ€Butylpyridine on TiO₂ Surface in Dyeâ€sensitized Solar Cells. Chinese Journal of Chemistry, 2008, 26, 70-76.	4.9	16
80	Hybrid semiconductor electrodes for light-driven photoelectrochemical switches. Electrochimica Acta, 2008, 53, 4621-4626.	5.2	63
81	Photoelectrochemical properties of nanocrystalline Aurivillius phase Bi2MoO6 film under visible light irradiation. Chemical Physics Letters, 2008, 461, 102-105.	2.6	76
82	Photoelectrochemical Properties of BiVO4 Film Electrode in Alkaline Solution. Chinese Journal of Catalysis, 2008, 29, 881-883.	14.0	10
83	Stimulatory effects of biosurfactant produced by Pseudomonas aeruginosa BSZ-07 on rice straw decomposing. Journal of Environmental Sciences, 2008, 20, 975-980.	6.1	15
84	Visible Light Induced Photodegradation and Phototoxicity of Phloxine B and Uranine. Biomedical and Environmental Sciences, 2008, 21, 438-441.	0.2	10
85	Determination of Mycophenolic Acid (MPA) and Its Acyl and Phenol Glucuronide Metabolits Simultaneously in Human Plasma by a Simplified HPLC Method. Analytical Letters, 2007, 40, 2465-2475.	1.8	10
86	Compatibility of Polyurethane/(vinyl ester resin)(ethyl acrylate) Interpenetrating Polymer Network. Polymer Journal, 2007, 39, 1365-1372.	2.7	12
87	Preparation, characterization and photocatalytic activity of visible light driven chlorine-doped TiO2. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2007, 2, 278-282.	0.4	24
88	Application of a Well-Designed Cationic Polyelectrolyte for Activated Sludge Dewatering. Journal of Chemical Engineering of Japan, 2007, 40, 1113-1120.	0.6	1
89	Efficient Photocatalytic Degradation of Phenol over Co3O4/BiVO4Composite under Visible Light Irradiation. Journal of Physical Chemistry B, 2006, 110, 20211-20216.	2.6	819
90	Effects of extracellular polymeric substances on aerobic granulation in sequencing batch reactors. Chemosphere, 2006, 63, 1728-1735.	8.2	175

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91	Correlation of electronic structures and crystal structures with photocatalytic properties of undoped, N-doped and I-doped TiO2. Chemical Physics Letters, 2006, 420, 71-76.	2.6	100
92	The influence of various genotypes on the metabolic activity of NAT2 in a Chinese population. European Journal of Clinical Pharmacology, 2006, 62, 355-359.	1.9	32
93	The Phototoxicity of Xanthene Derivatives Against Escherichia coli, Staphylococcus aureus, and Saccharomyces cerevisiae. Current Microbiology, 2006, 52, 1-5.	2.2	83
94	Investigation on the properties and kinetics of glucose-fed aerobic granular sludge. Enzyme and Microbial Technology, 2005, 36, 307-313.	3.2	17
95	Physiological and Biochemical Changes inMicrocystis aeruginosaQutz. in Phosphorus Limitation. Journal of Integrative Plant Biology, 2005, 47, 692-702.	8.5	22
96	Photocatalytic degradation of phenol in aqueous nitrogen-doped TiO2 suspensions with various light sources. Applied Catalysis B: Environmental, 2005, 57, 223-231.	20.2	245
97	Relationships of surface oxygen vacancies with photoluminescence and photocatalytic performance of ZnO nanoparticles. Science in China Series B: Chemistry, 2005, 48, 25-30.	0.8	79
98	Charge recombination in dye-sensitized nanoporous TiO2 solar cell. Science Bulletin, 2005, 50, 2408-2412.	1.7	7
99	Visible-Light-Activated Nanoparticle Photocatalyst of Iodine-Doped Titanium Dioxide. Chemistry of Materials, 2005, 17, 1548-1552.	6.7	484
100	Effects of nutrients on Microcystis growth more easily forming bloom. Journal of Environmental Sciences, 2004, 16, 934-7.	6.1	3
101	Preparation, morphology, and mechanical properties of modified-PU/UPR graft-IPN nanocomposites with BaTiO3 fiber. Materials Chemistry and Physics, 2003, 82, 73-77.	4.0	31
102	The preparation and characterization of ZnO ultrafine particles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 332, 356-361.	5.6	166
103	The surface properties and photocatalytic activities of ZnO ultrafine particles. Applied Surface Science, 2001, 180, 308-314.	6.1	317
104	Advanced oxidations of chloroacetic acids present in drinking water. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2000, 35, 1811-1816.	1.7	3
105	Population Pharmacokinetics and Pharmacodynamics of Isoniazid and its Metabolite Acetylisoniazid in Chinese Population. Frontiers in Pharmacology, 0, 13, .	3.5	3