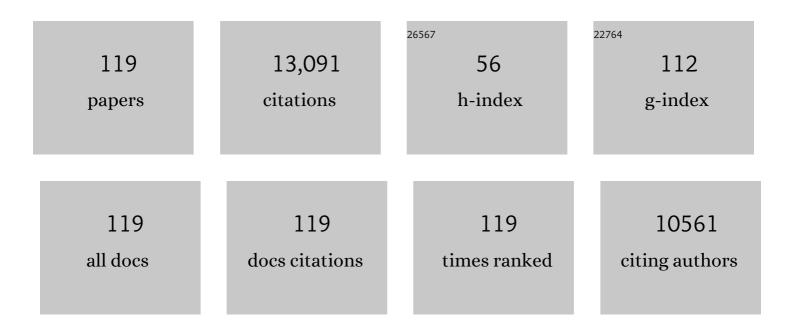
Jian-Liang Zhao

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Comprehensive Evaluation of Antibiotics Emission and Fate in the River Basins of China: Source Analysis, Multimedia Modeling, and Linkage to Bacterial Resistance. Environmental Science & Technology, 2015, 49, 6772-6782.	4.6	2,897
2	Effects of six selected antibiotics on plant growth and soil microbial and enzymatic activities. Environmental Pollution, 2009, 157, 1636-1642.	3.7	396
3	Occurrence and fate of eleven classes of antibiotics in two typical wastewater treatment plants in South China. Science of the Total Environment, 2013, 452-453, 365-376.	3.9	385
4	Trends in the occurrence of human and veterinary antibiotics in the sediments of the Yellow River, Hai River and Liao River in northern China. Environmental Pollution, 2011, 159, 1877-1885.	3.7	379
5	Trace analysis of 28 steroids in surface water, wastewater and sludge samples by rapid resolution liquid chromatography–electrospray ionization tandem mass spectrometry. Journal of Chromatography A, 2011, 1218, 1367-1378.	1.8	281
6	Simultaneous determination of human and veterinary antibiotics in various environmental matrices by rapid resolution liquid chromatography–electrospray ionization tandem mass spectrometry. Journal of Chromatography A, 2012, 1244, 123-138.	1.8	279
7	Discharge of swine wastes risks water quality and food safety: Antibiotics and antibiotic resistance genes from swine sources to the receiving environments. Environment International, 2016, 92-93, 210-219.	4.8	267
8	Determination of phenolic endocrine disrupting chemicals and acidic pharmaceuticals in surface water of the Pearl Rivers in South China by gas chromatography–negative chemical ionization–mass spectrometry. Science of the Total Environment, 2009, 407, 962-974.	3.9	260
9	Antibiotics in typical marine aquaculture farms surrounding Hailing Island, South China: Occurrence, bioaccumulation and human dietary exposure. Marine Pollution Bulletin, 2015, 90, 181-187.	2.3	252
10	Occurrence and risks of triclosan and triclocarban in the Pearl River system, South China: From source to the receiving environment. Journal of Hazardous Materials, 2010, 179, 215-222.	6.5	249
11	Simultaneous determination of four classes of antibiotics in sediments of the Pearl Rivers using RRLC–MS/MS. Science of the Total Environment, 2010, 408, 3424-3432.	3.9	233
12	Removal of selected endocrine disrupting chemicals (EDCs) and pharmaceuticals and personal care products (PPCPs) during ferrate(VI) treatment of secondary wastewater effluents. Water Research, 2012, 46, 2194-2204.	5.3	227
13	Dissemination of Antibiotic Resistance Genes in Representative Broiler Feedlots Environments: Identification of Indicator ARGs and Correlations with Environmental Variables. Environmental Science & Technology, 2014, 48, 13120-13129.	4.6	219
14	Distribution and accumulation of endocrine-disrupting chemicals and pharmaceuticals in wastewater irrigated soils in Hebei, China. Environmental Pollution, 2011, 159, 1490-1498.	3.7	210
15	Influence of Biochars on Plant Uptake and Dissipation of Two Pesticides in an Agricultural Soil. Journal of Agricultural and Food Chemistry, 2010, 58, 7915-7921.	2.4	181
16	Spatial and seasonal distribution of selected antibiotics in surface waters of the Pearl Rivers, China. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2011, 46, 272-280.	0.7	176
17	Evaluation of triclosan and triclocarban at river basin scale using monitoring and modeling tools: Implications for controlling of urban domestic sewage discharge. Water Research, 2013, 47, 395-405.	5.3	171
18	Removal of antibiotics from piggery wastewater by biological aerated filter system: Treatment efficiency and biodegradation kinetics. Bioresource Technology, 2017, 238, 70-77.	4.8	167

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19	Class 1 and 2 integrons, sul resistance genes and antibiotic resistance in Escherichia coli isolated from Dongjiang River, South China. Environmental Pollution, 2012, 169, 42-49.	3.7	164
20	4-Nonylphenol, bisphenol-A and triclosan levels in human urine of children and students in China, and the effects of drinking these bottled materials on the levels. Environment International, 2013, 52, 81-86.	4.8	161
21	Occurrence and risk assessment of acidic pharmaceuticals in the Yellow River, Hai River and Liao River of north China. Science of the Total Environment, 2010, 408, 3139-3147.	3.9	157
22	Tissue-specific bioaccumulation of human and veterinary antibiotics in bile, plasma, liver and muscle tissues of wild fish from a highly urbanized region. Environmental Pollution, 2015, 198, 15-24.	3.7	151
23	Assessing estrogenic activity in surface water and sediment of the Liao River system in northeast China using combined chemical and biological tools. Environmental Pollution, 2011, 159, 148-156.	3.7	146
24	Occurrence and a screeningâ€level risk assessment of human pharmaceuticals in the Pearl River system, South China. Environmental Toxicology and Chemistry, 2010, 29, 1377-1384.	2.2	142
25	Determination of biocides in different environmental matrices by use of ultra-high-performance liquid chromatography–tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2012, 404, 3175-3188.	1.9	141
26	Suitability of pharmaceuticals and personal care products (PPCPs) and artificial sweeteners (ASs) as wastewater indicators in the Pearl River Delta, South China. Science of the Total Environment, 2017, 590-591, 611-619.	3.9	137
27	Pharmaceuticals and personal care products (PPCPs) and artificial sweeteners (ASs) in surface and ground waters and their application as indication of wastewater contamination. Science of the Total Environment, 2018, 616-617, 816-823.	3.9	134
28	China Must Reduce Its Antibiotic Use. Environmental Science & amp; Technology, 2017, 51, 1072-1073.	4.6	132
29	Monitoring of selected estrogenic compounds and estrogenic activity in surface water and sediment of the Yellow River in China using combined chemical and biological tools. Environmental Pollution, 2012, 165, 241-249.	3.7	128
30	Fate of veterinary antibiotics during animal manure composting. Science of the Total Environment, 2019, 650, 1363-1370.	3.9	128
31	Variation of antibiotic resistome during commercial livestock manure composting. Environment International, 2020, 136, 105458.	4.8	115
32	Occurrence, fate and mass loadings of antibiotics in two swine wastewater treatment systems. Science of the Total Environment, 2018, 639, 1421-1431.	3.9	113
33	Contamination profiles of antibiotic resistance genes in the sediments at a catchment scale. Science of the Total Environment, 2014, 490, 708-714.	3.9	112
34	Biocides in the Yangtze River of China: Spatiotemporal distribution, mass load and risk assessment. Environmental Pollution, 2015, 200, 53-63.	3.7	112
35	Bioaccumulation and risk assessment of per- and polyfluoroalkyl substances in wild freshwater fish from rivers in the Pearl River Delta region, South China. Ecotoxicology and Environmental Safety, 2014, 107, 192-199.	2.9	111
36	Occurrence and fate of androgens, estrogens, glucocorticoids and progestagens in two different types of municipal wastewater treatment plants. Journal of Environmental Monitoring, 2012, 14, 482-491.	2.1	107

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37	Triclosan as a surrogate for household biocides: An investigation into biocides in aquatic environments of a highly urbanized region. Water Research, 2014, 58, 269-279.	5.3	107
38	Fate and removal of antibiotics and antibiotic resistance genes in hybrid constructed wetlands. Environmental Pollution, 2019, 249, 894-903.	3.7	105
39	Microalgae-based technology for antibiotics removal: From mechanisms to application of innovational hybrid systems. Environment International, 2021, 155, 106594.	4.8	102
40	Personal care products in wild fish in two main Chinese rivers: Bioaccumulation potential and human health risks. Science of the Total Environment, 2018, 621, 1093-1102.	3.9	98
41	Emission Estimation and Multimedia Fate Modeling of Seven Steroids at the River Basin Scale in China. Environmental Science & Technology, 2014, 48, 7982-7992.	4.6	97
42	Long-term exposure to environmentally relevant concentrations of progesterone and norgestrel affects sex differentiation in zebrafish (Danio rerio). Aquatic Toxicology, 2015, 160, 172-179.	1.9	95
43	Estrogenic activity profiles and risks in surface waters and sediments of the Pearl River system in South China assessed by chemical analysis and in vitro bioassay. Journal of Environmental Monitoring, 2011, 13, 813-821.	2.1	94
44	Oxidation of triclosan by ferrate: Reaction kinetics, products identification and toxicity evaluation. Journal of Hazardous Materials, 2011, 186, 227-235.	6.5	93
45	Spatiotemporal distribution and mass loadings of perfluoroalkyl substances in the Yangtze River of China. Science of the Total Environment, 2014, 493, 580-587.	3.9	88
46	Ferrate(VI) oxidation of tetrabromobisphenol A in comparison with bisphenol A. Water Research, 2014, 62, 211-219.	5.3	78
47	Degradation behavior of sulfadiazine in soils under different conditions. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2009, 44, 241-248.	0.7	75
48	Bioaccumulation, metabolism, and risk assessment of phenolic endocrine disrupting chemicals in specific tissues of wild fish. Chemosphere, 2019, 226, 607-615.	4.2	75
49	Microbial diversity and antibiotic resistome in swine farm environments. Science of the Total Environment, 2019, 685, 197-207.	3.9	74
50	Analysis of 21 progestagens in various matrices by ultra-high-performance liquid chromatography tandem mass spectrometry (UHPLC-MS/MS) with diverse sample pretreatment. Analytical and Bioanalytical Chemistry, 2014, 406, 7299-7311.	1.9	71
51	Uptake and Translocation of Perfluorooctanoic Acid (PFOA) and Perfluorooctanesulfonic Acid (PFOS) by Wetland Plants: Tissue- and Cell-Level Distribution Visualization with Desorption Electrospray Ionization Mass Spectrometry (DESI-MS) and Transmission Electron Microscopy Equipped with Energy-Dispersive Spectroscopy (TEM-EDS). Environmental Science & Technology, 2020, 54,	4.6	69
52	6009-6020. Steroids in marine aquaculture farms surrounding Hailing Island, South China: Occurrence, bioconcentration, and human dietary exposure. Science of the Total Environment, 2015, 502, 400-407.	3.9	68
53	Biocides in wastewater treatment plants: Mass balance analysis and pollution load estimation. Journal of Hazardous Materials, 2017, 329, 310-320.	6.5	68
54	Occurrence, mass loads and risks of bisphenol analogues in the Pearl River Delta region, South China: Urban rainfall runoff as a potential source for receiving rivers. Environmental Pollution, 2020, 263, 114361.	3.7	65

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55	Bioaccumulation of endocrine disrupting compounds in fish with different feeding habits along the largest subtropical river, China. Environmental Pollution, 2019, 247, 999-1008.	3.7	63
56	Biotransformation of the flame retardant tetrabromobisphenolâ€A (TBBPA) by freshwater microalgae. Environmental Toxicology and Chemistry, 2014, 33, 1705-1711.	2.2	62
57	Screening of multiple hormonal activities in surface water and sediment from the Pearl River system, South China, using effectâ€directed in vitro bioassays. Environmental Toxicology and Chemistry, 2011, 30, 2208-2215.	2.2	59
58	Occurrence and removal of progestagens in two representative swine farms: Effectiveness of lagoon and digester treatment. Water Research, 2015, 77, 146-154.	5.3	58
59	How biofilms affect the uptake and fate of hydrophobic organic compounds (HOCs) in microplastic: Insights from an In situ study of Xiangshan Bay, China. Water Research, 2020, 184, 116118.	5.3	58
60	Dissipation of oxytetracycline in soils under different redox conditions. Environmental Pollution, 2009, 157, 2704-2709.	3.7	54
61	Highly enhanced biodegradation of pharmaceutical and personal care products in a novel tidal flow constructed wetland with baffle and plants. Water Research, 2021, 193, 116870.	5.3	51
62	Uptake mechanism, subcellular distribution, and uptake process of perfluorooctanoic acid and perfluorooctane sulfonic acid by wetland plant Alisma orientale. Science of the Total Environment, 2020, 733, 139383.	3.9	51
63	Variations of antibiotic resistome in swine wastewater during full-scale anaerobic digestion treatment. Environment International, 2021, 155, 106694.	4.8	48
64	Emission and fate of antibiotics in the Dongjiang River Basin, China: Implication for antibiotic resistance risk. Science of the Total Environment, 2020, 712, 136518.	3.9	47
65	Use patterns, excretion masses and contamination profiles of antibiotics in a typical swine farm, south China. Environmental Sciences: Processes and Impacts, 2013, 15, 802.	1.7	46
66	Occurrence, fate and risk assessment of biocides in wastewater treatment plants and aquatic environments in Thailand. Science of the Total Environment, 2019, 690, 1110-1119.	3.9	44
67	Kinetics and mechanism of reactive radical mediated fluconazole degradation by the UV/chlorine process: Experimental and theoretical studies. Chemical Engineering Journal, 2020, 402, 126224.	6.6	44
68	Masculinization and reproductive effects in western mosquitofish (Gambusia affinis) after long-term exposure to androstenedione. Ecotoxicology and Environmental Safety, 2018, 147, 509-515.	2.9	42
69	Simultaneous determination of 24 personal care products in fish muscle and liver tissues using QuEChERS extraction coupled with ultra pressure liquid chromatography-tandem mass spectrometry and gas chromatography-mass spectrometer analyses. Analytical and Bioanalytical Chemistry, 2016, 408. 8177-8193.	1.9	41
70	Dydrogesterone Causes Male Bias and Accelerates Sperm Maturation in Zebrafish (<i>Danio rerio</i>). Environmental Science & Technology, 2018, 52, 8903-8911.	4.6	40
71	Rapid resolution liquid chromatography-tandem mass spectrometry method for the determination of endocrine disrupting chemicals (EDCs), pharmaceuticals and personal care products (PPCPs) in wastewater irrigated soils. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants. and Agricultural Wastes. 2010. 45. 682-693.	0.7	39
72	Persistence of androgens, progestogens, and glucocorticoids during commercial animal manure composting process. Science of the Total Environment, 2019, 665, 91-99.	3.9	39

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73	Multispecies acute toxicity evaluation of wastewaters from different treatment stages in a coking wastewaterâ€ŧreatment plant. Environmental Toxicology and Chemistry, 2014, 33, 1967-1975.	2.2	37
74	Steroid bioaccumulation profiles in typical freshwater aquaculture environments of South China and their human health risks via fish consumption. Environmental Pollution, 2017, 228, 72-81.	3.7	37
75	Occurrence, fate and risk assessment of androgens in ten wastewater treatment plants and receiving rivers of South China. Chemosphere, 2018, 201, 644-654.	4.2	37
76	Legacy and alternative per- and polyfluoroalkyl substances (PFASs) in the West River and North River, south China: Occurrence, fate, spatio-temporal variations and potential sources. Chemosphere, 2021, 283, 131301.	4.2	37
77	Multimedia fate modeling and risk assessment of a commonly used azole fungicide climbazole at the river basin scale in China. Science of the Total Environment, 2015, 520, 39-48.	3.9	36
78	Antibacterial activity of the soilâ€bound antimicrobials oxytetracycline and ofloxacin. Environmental Toxicology and Chemistry, 2014, 33, 776-783.	2.2	35
79	Bioaccumulation and risks of 24 personal care products in plasma of wild fish from the Yangtze River, China. Science of the Total Environment, 2019, 665, 810-819.	3.9	35
80	Assessment of hormonal activities and genotoxicity of industrial effluents using in vitro bioassays combined with chemical analysis. Environmental Toxicology and Chemistry, 2012, 31, 1273-1282.	2.2	34
81	Uptake and Disposition of Select Pharmaceuticals by Bluegill Exposed at Constant Concentrations in a Flow-Through Aquatic Exposure System. Environmental Science & Technology, 2017, 51, 4434-4444.	4.6	34
82	Distribution and mass loads of xenoestrogens bisphenol a, 4-nonylphenol, and 4-tert-octylphenol in rainfall runoff from highly urbanized regions: A comparison with point sources of wastewater. Journal of Hazardous Materials, 2021, 401, 123747.	6.5	33
83	Basin-scale emission and multimedia fate of triclosan in whole China. Environmental Science and Pollution Research, 2015, 22, 10130-10143.	2.7	32
84	Occurrence, removal and mass loads of antiviral drugs in seven wastewater treatment plants with various treatment processes. Water Research, 2021, 207, 117803.	5.3	32
85	Use of TIE techniques to characterize industrial effluents in the Pearl River Delta region. Ecotoxicology and Environmental Safety, 2012, 76, 143-152.	2.9	31
86	Feminization and masculinization of western mosquitofish (Gambusia affinis) observed in rivers impacted by municipal wastewaters. Scientific Reports, 2016, 6, 20884.	1.6	31
87	Profile and removal of bisphenol analogues in hospital wastewater, landfill leachate, and municipal wastewater in South China. Science of the Total Environment, 2021, 790, 148269.	3.9	30
88	Photodegradation of the azole fungicide climbazole by ultraviolet irradiation under different conditions: Kinetics, mechanism and toxicity evaluation. Journal of Hazardous Materials, 2016, 318, 794-801.	6.5	27
89	Occurrence and fate of androgens, progestogens and glucocorticoids in two swine farms with integrated wastewater treatment systems. Water Research, 2021, 192, 116836.	5.3	27
90	Three classes of steroids in typical freshwater aquaculture farms: Comparison to marine aquaculture farms. Science of the Total Environment, 2017, 609, 942-950.	3.9	26

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91	Occurrence and mass loads of biocides in plastic debris from the Pearl River system, South China. Chemosphere, 2020, 246, 125771.	4.2	26
92	Changes in Histopathology, Enzyme Activities, and the Expression of Relevant Genes in Zebrafish (Danio rerio) Following Long-Term Exposure to Environmental Levels of Thallium. Bulletin of Environmental Contamination and Toxicology, 2017, 99, 574-581.	1.3	25
93	Emerging contaminants in aquatic environments and coastal waters affected by urban wastewater discharge in Thailand: An ecological risk perspective. Ecotoxicology and Environmental Safety, 2020, 204, 110952.	2.9	25
94	Determination of 24 personal care products in fish bile using hybrid solvent precipitation and dispersive solid phase extraction cleanup with ultrahigh performance liquid chromatography-tandem mass spectrometry and gas chromatography-mass spectrometry. Journal of Chromatography A, 2018, 1551, 29-40.	1.8	23
95	A year-long passive sampling of phenolic endocrine disrupting chemicals in the East River, South China. Environment International, 2020, 143, 105936.	4.8	23
96	Occurrence, fate and mass loading of benzodiazepines and their transformation products in eleven wastewater treatment plants in Guangdong province, China. Science of the Total Environment, 2021, 755, 142648.	3.9	23
97	Multimedia modeling of the fate of triclosan and triclocarban in the Dongjiang River Basin, South China and comparison with field data. Environmental Sciences: Processes and Impacts, 2013, 15, 2142.	1.7	22
98	Evaluation of estrogenic activity in the Pearl River by using effect-directed analysis. Environmental Science and Pollution Research, 2016, 23, 21692-21702.	2.7	22
99	Biocides in the river system of a highly urbanized region: A systematic investigation involving runoff input. Science of the Total Environment, 2018, 624, 1023-1030.	3.9	22
100	Suspect, non-target and target screening of pharmaceuticals and personal care products (PPCPs) in a drinking water system. Science of the Total Environment, 2022, 808, 151866.	3.9	22
101	Development and application of wholeâ€sediment toxicity test using immobilized freshwater microalgae <i>Pseudokirchneriella subcapitata</i> . Environmental Toxicology and Chemistry, 2012, 31, 377-386.	2.2	20
102	Hormonal effects of tetrabromobisphenol A using a combination of in vitro and in vivo assays. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2013, 157, 344-351.	1.3	20
103	Influence of biofilms on the adsorption behavior of nine organic emerging contaminants on microplastics in field-laboratory exposure experiments. Journal of Hazardous Materials, 2022, 434, 128895.	6.5	19
104	Non-target, suspect and target screening of chemicals of emerging concern in landfill leachates and groundwater in Guangzhou, South China. Science of the Total Environment, 2022, 837, 155705.	3.9	19
105	Estrogenic activity and identification of potential xenoestrogens in a coking wastewater treatment plant. Ecotoxicology and Environmental Safety, 2015, 112, 238-246.	2.9	17
106	Occurrence and distribution of antibiotics in sediments from black-odor ditches in urban areas from China. Science of the Total Environment, 2021, 787, 147554.	3.9	17
107	Uptake, elimination, and toxicokinetics of selected pharmaceuticals in multiple tissues of Nile tilapia (Oreochromis niloticus) exposed to environmentally relevant concentrations. Ecotoxicology and Environmental Safety, 2021, 226, 112874.	2.9	16
108	Transcriptional and Biochemical Alterations in Zebrafish Eleuthero-Embryos (Danio rerio) After Exposure to Synthetic Progestogen Dydrogesterone. Bulletin of Environmental Contamination and Toxicology, 2017, 99, 39-45.	1.3	15

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109	Selective diffusive gradients in thin-films with molecularly imprinted polymer for measuring fluoroquinolone antibiotics in waters. Science of the Total Environment, 2021, 790, 148194.	3.9	15
110	Uptake, Elimination, and Biotransformation Potential of a Progestagen (Cyproterone Acetate) in Tilapia Exposed at an Environmental Concentration. Environmental Science & Technology, 2019, 53, 6804-6813.	4.6	13
111	Transcriptional and histological alterations in gonad of adult zebrafish after exposure to the synthetic progestin norgestrel. Environmental Toxicology and Chemistry, 2017, 36, 3267-3276.	2.2	12
112	Fate and Occurrence of Pharmaceuticals in the Aquatic Environment (Surface Water and Sediment). Comprehensive Analytical Chemistry, 2013, , 453-557.	0.7	11
113	Influence of microplastics on triclosan bioaccumulation and metabolomics variation in Tilapia fish tissues. Environmental Science and Pollution Research, 2022, 29, 62984-62993.	2.7	11
114	Transcriptional alterations induced by binary mixtures of ethinylestradiol and norgestrel during the early development of zebrafish (Danio rerio). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2017, 195, 60-67.	1.3	10
115	Screening of organic chemicals in surface water of the North River by high resolution mass spectrometry. Chemosphere, 2022, 290, 133174.	4.2	10
116	Anthropogenic activities and seasonal properties jointly drive the assemblage of bacterial communities in subtropical river basins. Science of the Total Environment, 2022, 806, 151476.	3.9	7
117	Rapid target and non-target screening method for determination of emerging organic chemicals in fish. Journal of Chromatography A, 2022, 1676, 463185.	1.8	6
118	Dydrogesterone Affects the Transcription of Genes in Innate Immune and Coagulation Cascade in Zebrafish Embryos. Bulletin of Environmental Contamination and Toxicology, 2021, 106, 594-599.	1.3	1
119	THE INVESTIGATIONS OF DIFFERENT NPP CRYSTAL SURFACE STRUCTURES BY AFM. Journal of Nonlinear Optical Physics and Materials, 1994, 03, 45-53.	1.1	0