Zulin Zhang

List of Publications by Year
in descending order

127 papers	6,392 citations	66234 42 h-index	71532 76 g-index
130 all docs	130 docs citations	130 times ranked	6428 citing authors

#	Article	IF	Citations
1	An efficient, green and sustainable potassium hydroxide activated magnetic corn cob biochar for imidacloprid removal. Chemosphere, 2022, 291, 132707.	4.2	15
2	Spatiotemporal trends and annual fluxes of pharmaceuticals in a Scottish priority catchment. Environmental Pollution, 2022, 292, 118295.	3.7	6
3	Nitrogen concentration acting as an environmental signal regulates cyanobacterial EPS excretion. Chemosphere, 2022, 291, 132878.	4.2	8
4	Ovine fetal testis stage-specific sensitivity to environmental chemical mixtures. Reproduction, 2022, 163, 119-131.	1.1	6
5	Efficient adsorptive removal of fluoroquinolone antibiotics from water by alkali and bimetallic salts co-hydrothermally modified sludge biochar. Environmental Pollution, 2022, 298, 118833.	3.7	45
6	Determination of 38 antibiotics in raw and treated wastewater from swine farms using liquid chromatographyâ€mass spectrometry. Journal of Separation Science, 2022, 45, 1525-1537.	1.3	6
7	Physical Disturbance Reduces Cyanobacterial Relative Abundance and Substrate Metabolism Potential of Biological Soil Crusts on a Gold Mine Tailing of Central China. Frontiers in Microbiology, 2022, 13, 811039.	1.5	3
8	Novel insights into the mechanism of periodate activation by heterogeneous ultrasonic-enhanced sludge biochar: Relevance for efficient degradation of levofloxacin. Journal of Hazardous Materials, 2022, 434, 128860.	6.5	44
9	Synergistic Fe2+/UV activated peroxydisulfate as an efficient method for the degradation of thiacloprid. Chemical Engineering Research and Design, 2022, 161, 466-475.	2.7	5
10	Periodate-based oxidation focusing on activation, multivariate-controlled performance and mechanisms for water treatment and purification. Separation and Purification Technology, 2022, 289, 120746.	3.9	17
11	Iron-manganese oxide loaded sludge biochar as a novel periodate activator for thiacloprid efficient degradation over a wide pH range. Separation and Purification Technology, 2022, 288, 120703.	3.9	31
12	Effects of pyrolysis temperature and aging treatment on the adsorption of Cd2+ and Zn2+ by coffee grounds biochar. Chemosphere, 2022, 296, 134051.	4.2	30
13	A review of spatiotemporal patterns of neonicotinoid insecticides in water, sediment, and soil across China. Environmental Science and Pollution Research, 2022, 29, 55336-55347.	2.7	23
14	One-pot hydrothermal synthesis of magnetic N-doped sludge biochar for efficient removal of tetracycline from various environmental waters. Separation and Purification Technology, 2022, 297, 121426.	3.9	32
15	Insights on ball milling enhanced iron magnesium layered double oxides bagasse biochar composite for ciprofloxacin adsorptive removal from water. Bioresource Technology, 2022, 359, 127468.	4.8	13
16	Inoculation concentration modulating the secretion and accumulation pattern of exopolysaccharides in desert cyanobacterium Microcoleus vaginatus. Biotechnology and Applied Biochemistry, 2021, 68, 330-337.	1.4	3
17	A SPE-HPLC-MS/MS method for the simultaneous determination of prioritised pharmaceuticals and EDCs with high environmental risk potential in freshwater. Journal of Environmental Sciences, 2021, 100, 18-27.	3.2	26
18	Spatial and temporal variations of open straw burning based on fire spots in northeast China from 2013 to 2017. Atmospheric Environment, 2021, 244, 117962.	1.9	46

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19	Hydrothermal synthesis of magnetic sludge biochar for tetracycline and ciprofloxacin adsorptive removal. Bioresource Technology, 2021, 319, 124199.	4.8	175
20	A novel, efficient and sustainable magnetic sludge biochar modified by graphene oxide for environmental concentration imidacloprid removal. Journal of Hazardous Materials, 2021, 407, 124777.	6.5	60
21	Effect of composting on the conjugative transmission of sulfonamide resistance and sulfonamide-resistant bacterial population. Journal of Cleaner Production, 2021, 285, 125483.	4.6	17
22	Synergistic heat/UV activated persulfate for the treatment of nanofiltration concentrated leachate. Ecotoxicology and Environmental Safety, 2021, 208, 111522.	2.9	31
23	REGULATION OF IRRIGATION WATER QUALITY CAN FURTHER IMMOBILIZE CD IN CONTAMINATED SOILS. Applied Ecology and Environmental Research, 2021, 19, 107-118.	0.2	0
24	Environmental risk characterization and ecological process determination of bacterial antibiotic resistome in lake sediments. Environment International, 2021, 147, 106345.	4.8	51
25	Physiological responses and transcriptome analyses of upland rice following exposure to arsenite and arsenate. Environmental and Experimental Botany, 2021, 183, 104366.	2.0	30
26	Environmental chemicals in dog testes reflect their geographical source and may be associated with altered pathology. Scientific Reports, 2021, 11, 7361.	1.6	7
27	Adsorptive removal of imidacloprid by potassium hydroxide activated magnetic sugarcane bagasse biochar: Adsorption efficiency, mechanism and regeneration. Journal of Cleaner Production, 2021, 292, 126005.	4.6	62
28	Review on plant uptake of PFOS and PFOA for environmental cleanup: potential and implications. Environmental Science and Pollution Research, 2021, 28, 30459-30470.	2.7	12
29	Highly efficient removal of imidacloprid using potassium hydroxide activated magnetic microporous loofah sponge biochar. Science of the Total Environment, 2021, 765, 144253.	3.9	37
30	Cadmium uptake reduction in paddy rice with a combination of water management, soil application of calcium magnesium phosphate and foliar spraying of Si/Se. Environmental Science and Pollution Research, 2021, 28, 50378-50387.	2.7	7
31	Efficient degradation of diclofenac sodium by periodate activation using Fe/Cu bimetallic modified sewage sludge biochar/UV system. Science of the Total Environment, 2021, 783, 146974.	3.9	79
32	Levels, Inventory, and Risk Assessment of Heavy Metals in Wetland Ecosystem, Northeast China: Implications for Snow Cover Monitoring. Water (Switzerland), 2021, 13, 2161.	1.2	7
33	Chemical Fate and Partitioning Behavior of Antibiotics in the Aquatic Environmentâ€”A Review. Environmental Toxicology and Chemistry, 2021, 40, 3275-3298.	2.2	70
34	Simultaneous reductions in antibiotics and heavy metal pollution during manure composting. Science of the Total Environment, 2021, 788, 147830.	3.9	33
35	Occurrence, variations, and risk assessment of neonicotinoid insecticides in Harbin section of the Songhua River, northeast China. Environmental Science and Ecotechnology, 2021, 8, 100128.	6.7	21
36	Effects of season and sediment-water exchange processes on the partitioning of pesticides in the catchment environment: Implications for pesticides monitoring. Science of the Total Environment, 2020, 698, 134228.	3.9	53

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37	Long-term spatial and temporal patterns of polycyclic aromatic hydrocarbons (PAHs) in Scottish soils over 20Âyears (1990â€“2009): A national picture. Geoderma, 2020, 361, 114135.	2.3	18
38	UV/SO32â˙ based advanced reduction processes of aqueous contaminants: Current status and prospects. Chemical Engineering Journal, 2020, 397, 125412.	6.6	48
39	Simultaneous extraction and determination of 45 veterinary antibiotics in swine manure by liquid chromatography-tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1154, 122286.	1.2	26
40	Heavy metals exposure risk to Eurasian Spoonbill (Platalea leucorodia) in wetland ecosystem, Northeast China. Ecological Engineering, 2020, 157, 105993.	1.6	4
41	Vinasse affects the formation of iron plaque on roots of Acorus calamus and immobilization of lead, cadmium, copper, zinc by this plant. Journal of Water Process Engineering, 2020, 38, 101587.	2.6	6
42	Microplastics provide new microbial niches in aquatic environments. Applied Microbiology and Biotechnology, 2020, 104, 6501-6511.	1.7	217
43	Kinetics and mechanisms of chloramphenicol degradation in aqueous solutions using heat-assisted nZVI activation of persulfate. Journal of Molecular Liquids, 2020, 313, 113511.	2.3	19
44	Concentrations, Possible Sources and Health Risk of Heavy Metals in Multi-Media Environment of the Songhua River, China. International Journal of Environmental Research and Public Health, 2020, 17, 1766.	1.2	29
45	Assessing hospital impact on pharmaceutical levels in a rural â€˜source-to-sinkâ€™ water system. Science of the Total Environment, 2020, 737, 139618.	3.9	28
46	Understanding the risks from diffuse pollution on wetland eco-systems: The effectiveness of water quality classification schemes. Ecological Engineering, 2020, 155, 105929.	1.6	17
47	Carbon nanotube supported sludge biochar as an efficient adsorbent for low concentrations of sulfamethoxazole removal. Science of the Total Environment, 2020, 718, 137299.	3.9	77
48	Hydrothermal Enhanced Nanoscale Zero-Valent Iron Activated Peroxydisulfate Oxidation of Chloramphenicol in Aqueous Solutions: Fe-Speciation Analysis and Modeling Optimization. Water (Switzerland), 2020, 12, 131.	1.2	5
49	Persulfate-based degradation of perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) in aqueous solution: Review on influences, mechanisms and prospective. Journal of Hazardous Materials, 2020, 393, 122405.	6.5	150
50	Temperature modulating sand-consolidating cyanobacterial biomass, nutrients removal and bacterial community dynamics in municipal wastewater. Bioresource Technology, 2020, 301, 122758.	4.8	9
51	Iron/zinc and phosphoric acid modified sludge biochar as an efficient adsorbent for fluoroquinolones antibiotics removal. Ecotoxicology and Environmental Safety, 2020, 196, 110550.	2.9	93
52	THE EFFECT OF SILICON FOLIAR AND ROOT APPLICATION ON GROWTH, PHYSIOLOGY, AND ANTIOXIDANT ENZYME ACTIVITY OF WHEAT PLANTS UNDER CADMIUM TOXICITY. Applied Ecology and Environmental Research, 2020, 18, 3349-3371.	0.2	9
53	Selenite Foliar Application Alleviates Arsenic Uptake, Accumulation, Migration and Increases Photosynthesis of Different Upland Rice Varieties. International Journal of Environmental Research and Public Health, 2020, 17, 3621.	1.2	13
54	Concentrations and uptake pathways of polychlorinated biphenyls from soil to grass. Ecotoxicology and Environmental Safety, 2019, 182, 109428.	2.9	8

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55	Review on ultrasound assisted persulfate degradation of organic contaminants in wastewater: Influences, mechanisms and prospective. Chemical Engineering Journal, 2019, 378, 122146.	6.6	145
56	Heavy Metals in Sediment from the Urban and Rural Rivers in Harbin City, Northeast China. International Journal of Environmental Research and Public Health, 2019, 16, 4313.	1.2	33
57	Polycyclic aromatic hydrocarbons in fresh snow in the city of Harbin in northeast China. Atmospheric Environment, 2019, 215, 116915.	1.9	20
58	Highly efficient nickel (II) removal by sewage sludge biochar supported Î±-Fe2O3 and Î±-FeOOH: Sorption characteristics and mechanisms. PLoS ONE, 2019, 14, e0218114.	1.1	26
59	Utilizing low-cost natural waste for the removal of pharmaceuticals from water: Mechanisms, isotherms and kinetics at low concentrations. Journal of Cleaner Production, 2019, 227, 88-97.	4.6	80
60	A visualized investigation on the intellectual structure and evolution of waste printed circuit board research during 2000â€“2016. Environmental Science and Pollution Research, 2019, 26, 11336-11341.	2.7	16
61	Modeling primary and secondary fractionation effects and atmospheric transport of polychlorinated biphenyls through single-source emissions. Environmental Geochemistry and Health, 2019, 41, 1939-1951.	1.8	3
62	Microbial Arsenic Methylation in Soil and Uptake and Metabolism of Methylated Arsenic in Plants: A Review. International Journal of Environmental Research and Public Health, 2019, 16, 5012.	1.2	40
63	Long-term exposure to chemicals in sewage sludge fertilizer alters liver lipid content in females and cancer marker expression in males. Environment International, 2019, 124, 98-108.	4.8	20
64	Fate of tetracycline and sulfonamide resistance genes in a grassland soil amended with different organic fertilizers. Ecotoxicology and Environmental Safety, 2019, 170, 39-46.	2.9	38
65	Reducing DBPs formation in chlorination of Br-containing Diclofenac via Fe-Cu-MCM-41/O3 peroxidation: Efficiency, characterization DBPs precursors and mechanism. Journal of the Taiwan Institute of Chemical Engineers, 2018, 84, 212-221.	2.7	11
66	UV direct photolysis of sulfamethoxazole and ibuprofen: An experimental and modelling study. Journal of Hazardous Materials, 2018, 343, 132-139.	6.5	114
67	Risk estimation and annual fluxes of emerging contaminants from a Scottish priority catchment to the estuary and North Sea. Environmental Geochemistry and Health, 2018, 40, 1987-2005.	1.8	13
68	The present situation of the old shoes recycling and the existing old shoes treatment method. IOP Conference Series: Materials Science and Engineering, 2018, 382, 032055.	0.3	1
69	Bioaccumulation of persistent organic pollutants in the deepest ocean fauna. Nature Ecology and Evolution, 2017, 1, 51.	3.4	250
70	Occurrence of trace elements and antibiotics in manure-based fertilizers from the Zhejiang Province of China. Science of the Total Environment, 2016, 559, 174-181.	3.9	109
71	Evaluation of spot and passive sampling for monitoring, flux estimation and risk assessment of pesticides within the constraints of a typical regulatory monitoring scheme. Science of the Total Environment, 2016, 569-570, 1369-1379.	3.9	38
72	Environmental chemicals impact dog semen quality in vitro and may be associated with a temporal decline in sperm motility and increased cryptorchidism. Scientific Reports, 2016, 6, 31281.	1.6	34

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73	The fetal ovary exhibits temporal sensitivity to a â€˜real-lifeâ€™ mixture of environmental chemicals. Scientific Reports, 2016, 6, 22279.	1.6	31
74	Effects of manure and mineral fertilization strategies on soil antibiotic resistance gene levels and microbial community in a paddyâ€“upland rotation system. Environmental Pollution, 2016, 211, 332-337.	3.7	80
75	Amino Acid Composition of Grape (Vitis viniferaL.) Juice in Response to Applications of Urea to the Soil or Foliage. American Journal of Enology and Viticulture, 2016, 67, 47-55.	0.9	37
76	Variations in the fate and biological effects of sulfamethoxazole, norfloxacin and doxycycline in different vegetableâ€“soil systems following manure application. Journal of Hazardous Materials, 2016, 304, 49-57.	6.5	78
77	A study on temporal trends and estimates of fate of Bisphenol A in agricultural soils after sewage sludge amendment. Science of the Total Environment, 2015, 515-516, 1-11.	3.9	15
78	Simultaneous extraction and determination of various pesticides in environmental waters. Journal of Separation Science, 2014, 37, 3699-3705.	1.3	11
79	Long term temporal and spatial changes in the distribution of polychlorinated biphenyls and polybrominated diphenyl ethers in Scottish soils. Science of the Total Environment, 2014, 468-469, 158-164.	3.9	32
80	Concentrations and sources of polycyclic aromatic hydrocarbons in surface coastal sediments of the northern Gulf of Mexico. Geochemical Transactions, 2014, 15, 2.	1.8	86
81	Neural network integration of field observations for soil endocrine disruptor characterisation. Science of the Total Environment, 2014, 468-469, 240-248.	3.9	4
82	Levels of endocrine disrupting compounds in South China Sea. Marine Pollution Bulletin, 2014, 85, 628-633.	2.3	17
83	Concentrations and geographic distribution of selected organic pollutants in Scottish surface soils. Environmental Pollution, 2013, 182, 15-27.	3.7	51
84	Short- and long-term temporal changes in soil concentrations of selected endocrine disrupting compounds (EDCs) following single or multiple applications of sewage sludge to pastures. Environmental Pollution, 2013, 181, 262-270.	3.7	37
85	Effects of Polychlorinated Biphenyls in CD-1 Mice: Reproductive Toxicity and Intergenerational Transmission. Toxicological Sciences, 2012, 126, 213-226.	1.4	56
86	Foetal and postâ€•natal exposure of sheep to sewage sludge chemicals disrupts sperm production in adulthood in a subset of animals. Journal of Developmental and Physical Disabilities, 2012, 35, 317-329.	3.6	48
87	Optimized determination of polybrominated diphenyl ethers and polychlorinated biphenyls in sheep serum by solid-phase extractionâ€“gas chromatographyâ€“mass spectrometry. Talanta, 2011, 84, 487-493.	2.9	30
88	Effect of duration of exposure to sewage sludge-treated pastures on liver tissue accumulation of persistent endocrine disrupting compounds (EDCs) in sheep. Science of the Total Environment, 2011, 409, 3850-3856.	3.9	25
89	Selective pressurized liquid extraction of estrogenic compounds in soil and analysis by gas chromatographyâ€“mass spectrometry. Analytica Chimica Acta, 2011, 685, 29-35.	2.6	45
90	Can gas chromatography combustion isotope ratio mass spectrometry be used to quantify organic compound abundance?. Rapid Communications in Mass Spectrometry, 2011, 25, 2433-2438.	0.7	53

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91	Simultaneous extraction and clean-up of polybrominated diphenyl ethers and polychlorinated biphenyls from sheep liver tissue by selective pressurized liquid extraction and analysis by gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2011, 1218, 1203-1209.	1.8	49
92	PLE and GCâ€“MS Determination of Polybrominated Diphenyl Ethers in Soils. Chromatographia, 2010, 72, 535-543.	0.7	20
93	Maternal and fetal tissue accumulation of selected endocrine disrupting compounds (EDCs) following exposure to sewage sludge-treated pastures before or after conception. Journal of Environmental Monitoring, 2010, 12, 1582.	2.1	40
94	Monitoring of Pharmaceutical Residues in Sewage Effluents. , 2009, , 315-342.		4
95	Pharmaceutical residues in wastewater treatment works effluents and their impact on receiving river water. Journal of Hazardous Materials, 2009, 166, 655-661.	6.5	240
96	An improved method for the simultaneous analysis of phenolic and steroidal estrogens in water and sediment. Talanta, 2009, 77, 1315-1321.	2.9	103
97	A comparison of three analytical techniques for the measurement of steroidal estrogens in environmental water samples. Talanta, 2009, 78, 1204-1210.	2.9	58
98	Pharmaceutical Compounds in Estuarine and Coastal Waters. , 2009, , .		0
99	Analysis of emerging contaminants in sewage effluent and river water: Comparison between spot and passive sampling. Analytica Chimica Acta, 2008, 607, 37-44.	2.6	179
100	UV/O3-BAC process for removing organic pollutants in secondary effluents. Desalination, 2007, 207, 114-124.	4.0	27
101	Simultaneous determination of various pharmaceutical compounds in water by solid-phase extractionâ€“liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2007, 1154, 205-213.	1.8	141
102	Comparison of AC/O3â€“BAC and O3â€“BAC processes for removing organic pollutants in secondary effluent. Chemosphere, 2006, 62, 1514-1522.	4.2	44
103	Optimisation of derivatisation for the analysis of estrogenic compounds in water by solid-phase extraction gas chromatographyâ€“mass spectrometry. Analytica Chimica Acta, 2006, 577, 52-61.	2.6	99
104	TiO2/UV/O3-BAC processes for removing refractory and hazardous pollutants in raw water. Journal of Hazardous Materials, 2006, 128, 145-149.	6.5	31
105	AC/O3-BAC processes for removing refractory and hazardous pollutants in raw water. Journal of Hazardous Materials, 2006, 135, 129-133.	6.5	33
106	Quantitative structure-activity relationship and prediction of mixture toxicity of alkanols. Science Bulletin, 2006, 51, 2717-2723.	1.7	16
107	Source apportionment and photolysis process identification of selected POPs by CSIA. Diqiu Huaxue, 2006, 25, 184-184.	0.5	0
108	Occurrence and behavior of chlorobenzenes at multiple environment from a chemical industry zone in Beijing, China. Diqiu Huaxue, 2006, 25, 189-189.	0.5	0

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109	Development of polar organic pollutant integrated sampler (POPIS) for trace EDCs in water. Diqiu Huaxue, 2006, 25, 205-205.	0.5	0
110	Carbon isotopic fractionation during photolysis of hexachlorobenzene. Progress in Natural Science: Materials International, 2005, 15, 82-88.	1.8	1
111	Comparison of O3-BAC, UV/O3-BAC and TiO2/UV/O3-BAC processes for removing organic pollutants in secondary effluents. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 171, 145-151.	2.0	39
112	Dissolved Neutral Nonylphenol Ethoxylates Metabolites in the Haihe River and Bohai Bay, People's Republic of China. Bulletin of Environmental Contamination and Toxicology, 2005, 75, 827-834.	1.3	5
113	Development of an analytical method to determine phenolic endocrine disrupting chemicals in sewage and sludge by GC/MS. Science Bulletin, 2005, 50, 2681.	1.7	18
114	Phase association of polycyclic aromatic hydrocarbons in the Minjiang River Estuary, China. Science of the Total Environment, 2004, 323, 71-86.	3.9	164
115	The photocatalytic activity and stability of a nanosized TiO2 film prepared by carbon black modified method. Catalysis Today, 2004, 90, 305-312.	2.2	31
116	Occurrence of PAHs, PCBs and organochlorine pesticides in the Tonghui River of Beijing, China. Environmental Pollution, 2004, 130, 249-261.	3.7	387
117	Fate and assessment of persistent organic pollutants in water and sediment from Minjiang River Estuary, Southeast China. Chemosphere, 2003, 52, 1423-1430.	4.2	311
118	Occurrence of dissolved PAHs in the Jinsha River (Panzhihua)â€"upper reaches of the Yangtze River, Southwest China. Journal of Environmental Monitoring, 2003, 5, 604-609.	2.1	21
119	DISTRIBUTION AND TRANSPORTATION OF POLYCYCLIC AROMATIC HYDROCARBONS IN SUSPENDED PARTICULATE MATTER AND SURFACE SEDIMENT FROM THE PEARL RIVER ESTUARY. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2002, 37, 451-463.	0.9	8
120	Dissolved insecticides and polychlorinated biphenyls in the Pearl River Estuary and South China Sea. Journal of Environmental Monitoring, 2002, 4, 922-928.	2.1	51
121	Occurrence and behaviour of organophosphorus insecticides in the River Wuchuan, southeast China. Journal of Environmental Monitoring, 2002, 4, 498-504.	2.1	29
122	Transport and fate of organochlorine pesticides in the River Wuchuan, Southeast China. Journal of Environmental Monitoring, 2002, 4, 435-441.	2.1	46
123	Contamination by polycyclic aromatic hydrocarbons in the Jiulong River Estuary and Western Xiamen Sea, China. Environmental Pollution, 2002, 118, 109-122.	3.7	249
124	Determination and load of organophosphorus and organochlorine pesticides at water from Jiulong River Estuary, China. Marine Pollution Bulletin, 2002, 45, 397-402.	2.3	85
125	Trace organic pollutants in the southeast estuarine environments of China. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2000, 35, 1833-1847.	0.9	18
126	Multi-phase distribution of organic micropollutants in Xiamen Harbour, China. Water Research, 2000, 34, 2132-2150.	5.3	207

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127	DNAâ€”Dye Fluorescence Enhancement Based on Shifting the Dimerâ€”Monomer Equilibrium of Fluorescent Dye. Applied Spectroscopy, 1997, 51, 1002-1007.	1.2	23