

2013年度我校累计发表高影响因子（IF>4）SCI收录论文情况一览(更新至2014.5.11)

序号	论文名称	第一作者	通讯作者	所属学院	出版物名称	影响因子2012	文献类型
1	Probing plasma membrane dynamics at the single-molecule level	李晓娟	林金星	生物学院	TRENDS IN PLANT SCIENCE	11.808	Review
2	Reconstructing regulatory networks from the dynamic plasticity of gene expression by mutual information	王建新	邬荣领	生物学院	NUCLEIC ACIDS RESEARCH	8.278	Article
3	Two highly validated SSR multiplexes (8-plex) for Euphrates' poplar, Populus euphratica (Salicaceae)	徐芳	杜芳	生物学院	MOLECULAR ECOLOGY RESOURCES	7.432	Article
4	The regulation of cambial activity in Chinese fir (Cunninghamia lanceolata) involves extensive transcriptome	邱宗波	林金星	生物学院	NEW PHYTOLOGIST	6.736	Article
5	Polymorphic simple sequence repeat (SSR) loci within cellulose synthase (PtoCesA) genes are associated with growth and wood properties in Populus tomentosa	杜庆章	张德强	生物学院	NEW PHYTOLOGIST	6.736	Article
6	Arabidopsis FRS4/CPD25 and FHY3/CPD45 work cooperatively to promote the expression of the chloroplast division gene ARC5 and chloroplast division	高岳芳	高宏波	生物学院	PLANT JOURNAL	6.582	Article
7	Large-scale synthesis of highly dispersed layered double hydroxide powders containing delaminated single layer	王强	王强	环境学院	CHEMICAL COMMUNICATIONS	6.378	Article
8	In situ grafting silica nanoparticles reinforced nanocomposite hydrogels	杨俊	杨俊	材料学院	NANOSCALE	6.233	Article
9	Structural evaluation and bioethanol production by simultaneous saccharification and fermentation with biodegraded	王堃	孙润仓	材料学院	BIOTECHNOLOGY FOR BIOFUELS	5.552	Article
10	Synthesis of Flame-Retardant Polypropylene/LDH-Borate Nanocomposites	王强	王强	环境学院	MACROMOLECULES	5.521	Article
11	Genetic Diversity and Population Structure in Chinese Indigenous Poplar (Populus simonii) Populations Using Microsatellite Markers	卫尊征	李百炼 张德强	生物学院	PLANT MOLECULAR BIOLOGY REPORTER	5.319	Article
12	NF-YB Family Genes Identified in a Poplar Genome-wide Analysis and Expressed in Populus euphratica Are Responsive to Drought Stress	严东辉	夏新莉 尹伟伦	生物学院	PLANT MOLECULAR BIOLOGY REPORTER	5.319	Article
13	Genome-Wide Analysis of Gene Expression in Response to Drought Stress in Populus simonii	陈金辉	张德强	生物学院	PLANT MOLECULAR BIOLOGY REPORTER	5.319	Article
14	New species and phylogeny of Perenniporia based on morphological and molecular characters	赵长林	崔宝凯	微生物所	FUNGAL DIVERSITY	5.319	Article
15	Phylogeny and taxonomy of the Inonotus linteus complex	田雪梅	戴玉成	微生物所	FUNGAL DIVERSITY	5.319	Article
16	Genome-Wide Analysis of the AP2/ERF Gene Family in Prunus mume	杜东亮	张启翔	园林学院	PLANT MOLECULAR BIOLOGY REPORTER	5.319	Article
17	A statistical procedure to map high-order epistasis for complex traits	庞晓明	邬荣领	生物学院	BRIEFINGS IN BIOINFORMATICS	5.298	Article
18	A unifying framework for bivalent multilocus linkage analysis of allotetraploids	杨晓霞	邬荣领	生物学院	BRIEFINGS IN BIOINFORMATICS	5.298	Article
19	Food Losses and Waste in China and Their Implication for Water and Land	刘俊国	刘俊国	保护区学院	ENVIRONMENTAL SCIENCE & TECHNOLOGY	5.257	Article
20	Flocculation of Microcystis aeruginosa Using Modified Larch Tannin	汪丽	梁文艳	环境学院	ENVIRONMENTAL SCIENCE & TECHNOLOGY	5.257	Article
21	A Critical Review on the Heterogeneous Catalytic Oxidation of Elemental Mercury in Flue Gases	高艳珊	王强	环境学院	ENVIRONMENTAL SCIENCE & TECHNOLOGY	5.257	Article
22	Populus euphratica XTH overexpression enhances salinity tolerance by the development of leaf succulence in transgenic tobacco plants	韩彦莎	陈少良	生物学院	JOURNAL OF EXPERIMENTAL BOTANY	5.242	Article
23	Overexpression of the poplar NF-YB7 transcription factor confers drought tolerance and improves water-use efficiency in Arabidopsis	韩潇	夏新莉	生物学院	JOURNAL OF EXPERIMENTAL BOTANY	5.242	Article
24	Water conservancy projects in China: Achievements, challenges and way forward	刘俊国	刘俊国	保护区学院	GLOBAL ENVIRONMENTAL CHANGE-HUMAN AND POLICY DIMENSIONS	5.236	Article
25	The nitrate transporter NRT2.1 functions in the ethylene response to nitrate deficiency in Arabidopsis	郑冬超	夏新莉	生物学院	PLANT CELL AND ENVIRONMENT	5.135	Article
26	RAPID: A Radiosity Applicable to Porous Individual Objects for directional reflectance over complex vegetated	黄华国	黄华国	林学院	REMOTE SENSING OF ENVIRONMENT	5.103	Article
27	Mechanical and Viscoelastic Properties of Cellulose Nanocrystals Reinforced Poly(ethylene glycol) Nanocomposite	杨俊	杨俊	材料学院	ACS APPLIED MATERIALS & INTERFACES	5.008	Article
28	Revealing Strong Nanocomposite Hydrogels Reinforced by Cellulose Nanocrystals: Insight into Morphologies and	杨俊	杨俊	材料学院	ACS APPLIED MATERIALS & INTERFACES	5.008	Article
29	Interaction of Silica Nanoparticle/Polymer Nanocomposite Cluster Network Structure: Revisiting the Reinforcement	杨俊	杨俊	材料学院	JOURNAL OF PHYSICAL CHEMISTRY C	4.814	Article
30	Dynamics of Silica-Nanoparticle-Filled Hybrid Hydrogels: Nonlinear Viscoelastic Behavior and Chain Entanglement	杨俊	杨俊	材料学院	JOURNAL OF PHYSICAL CHEMISTRY C	4.814	Article
31	Improvement of the enzymatic hydrolysis of furfural residues by pretreatment with combined green liquor and	于海龙	蒋建新	材料学院	BIORESOURCE TECHNOLOGY	4.750	Article
32	Structural features and antioxidant activity of xylooligosaccharides enzymatically produced from sugarcane bagasse	边静	孙润仓	材料学院	BIORESOURCE TECHNOLOGY	4.750	Article
33	Influence of delignification efficiency with alkaline peroxide on the digestibility of furfural residues for bioethanol	王堃	孙润仓	材料学院	BIORESOURCE TECHNOLOGY	4.750	Article
34	Fractionation of bamboo culms by autohydrolysis, organosolv delignification and extended delignification: Understanding the fundamental chemistry of the lignin during the integrated process	文甲龙	孙润仓	材料学院	BIORESOURCE TECHNOLOGY	4.750	Article
35	Hydrothermal treatment and enzymatic hydrolysis of Tamarix ramosissima: Evaluation of the process as a conversion method in a biorefinery concept	肖领平	孙润仓	材料学院	BIORESOURCE TECHNOLOGY	4.750	Article
36	Improved bioconversion of poplar by synergistic treatments with white-rot fungus Trametes velutina D10149 pretreatment and alkaline fractionation	杨海艳	孙润仓	材料学院	BIORESOURCE TECHNOLOGY	4.750	Article
37	Correlation between hemicelluloses-removal-induced hydrophilicity variation and the bioconversion efficiency of	杨海艳	王堃	材料学院	BIORESOURCE TECHNOLOGY	4.750	Article
38	Synergistic benefits of ionic liquid and alkaline pretreatments of poplar wood. Part 2: Characterization of lignin and	袁同琦	许凤	材料学院	BIORESOURCE TECHNOLOGY	4.750	Article
39	Synergistic benefits of ionic liquid and alkaline pretreatments of poplar wood. Part 1: Effect of integrated pretreatment on enzymatic hydrolysis	袁同琦	许凤	材料学院	BIORESOURCE TECHNOLOGY	4.750	Article
40	Spectroscopic analysis and biodegradation potential study of dissolved organic matters in sewage sludge treated with high-pressure homogenization	张玉璇	张盼月	环境学院	BIORESOURCE TECHNOLOGY	4.750	Article
41	Effects of brown sugar and calcium superphosphate on the secondary fermentation of green waste	张璐	孙向阳	水保学院	BIORESOURCE TECHNOLOGY	4.750	Article
42	Purification, biochemical characterization and dye decolorization capacity of an alkali-resistant and metal-tolerant laccase from Trametes pubescens	司静	崔宝凯	微生物所	BIORESOURCE TECHNOLOGY	4.750	Article

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43	Investigating lignin and hemicellulose in white rot fungus-pretreated wood that affect enzymatic hydrolysis	王伟	戴玉成	微生物所	BIORESOURCE TECHNOLOGY	4.750	Article
44	Arsenate adsorption on three types of granular schwertmannite	豆小敏	豆小敏	环境学院	WATER RESEARCH	4.655	Article
45	Effect of conditioning by PAM polymers with different charges on the structural and characteristic evolutions of water treatment residuals	闫玮琳	王毅力	环境学院	WATER RESEARCH	4.655	Article
46	Reaction kinetics and transformation of antipyrine chlorination with free chlorine	蔡美全	张立秋	环境学院	WATER RESEARCH	4.655	Article
47	Development and Application of Microsatellites in Candidate Genes Related to Wood Properties in the Chinese White Poplar (Populus tomentosa Carr.)	杜庆章	张德强	生物学院	DNA RESEARCH	4.425	Article
48	Transcriptome characterisation of Pinus tabuliformis and evolution of genes in the Pinus phylogeny	钮世辉	李伟	生物学院	BMC GENOMICS	4.397	Article
49	De novo sequencing and transcriptome analysis of the desert shrub, Ammopiptanthus mongolicus, during cold acclimation using Illumina/Solexa	庞涛	夏新莉	生物学院	BMC GENOMICS	4.397	Article
50	Identification of drought-responsive and novel Populus trichocarpa microRNAs by high-throughput sequencing and their targets using degradome analysis	帅鹏	尹伟伦	生物学院	BMC GENOMICS	4.397	Article
51	Identification of stress-responsive genes in Ammopiptanthus mongolicus using ESTs generated from cold- and drought-stressed seedlings	刘美芹	刘美芹	分析测试中心	BMC PLANT BIOLOGY	4.354	Article
52	Characterization of Lignins Isolated with Alkaline Ethanol from the Hydrothermal Pretreated Tamarix ramosissima	肖领平	孙润仓	材料学院	BIOENERGY RESEARCH	4.250	Article
53	Biodegradation of Lignocellulose by White-Rot Fungi: Structural Characterization of Water-Soluble Hemicelluloses	肖领平	孙润仓	材料学院	BIOENERGY RESEARCH	4.250	Article
54	Treatment of Furfural Residue by Solvent Extraction for Enzymatic Hydrolysis: Effect of Delignification on the Structure and Digestibility	孙少妮	许凤	材料学院	BIOENERGY RESEARCH	4.250	Article