

福建农林大学高被引论文潜力预测

本预测利用 ESI 高被引论文阈值，对我校 2011 年至今发表的 7800 余篇 SCI/SSCI 论文进行分析，引入高被引潜力值的概念。高被引潜力值=论文当前被引频次/论文对应年份、学科领域的高被引论文阈值×100%，潜力值越接近 100%则论文越有希望成为高被引论文。将对应的阈值减去论文当前被引频次，就可以知道该论文还需要被引用多少次才能成为高被引论文（即被引频次差距）。本文列出我校非高被引论文中高被引潜力值最高的 100 篇论文，如下表所示。

表 1 福建农林大学高被引潜力论文

高被引潜力	被引频次	阈值	被引频次差距	论文标题	作者	来源	出版年
112%	196	175	0	Landscape simplification filters species traits and drives biotic homogenization	Gamez-Virues Sagrario; Perovic David J.; Gossner Martin M.; Boersching Carmen; Bluethgen Nico; de Jong Heike; Simons Nadja K.; Klein Alexandra-Maria; Krauss Jochen; Maier Gwen; Scherber Christoph; Steckel Juliane; Rothenwoehrer Christoph; Steffan-Dewenter Ingolf; Weiner Christiane N.; Weisser Wolfgang; Werner Michael; Tschardtke Teja; Westphal Catrin	NATURE COMMUNICATIONS	2015
104%	47	45	0	The Sequenced Angiosperm Genomes and Genome Databases	Chen Fei; Dong Wei; Zhang Jiawei; Guo Xinyue; Chen Junhao; Wang Zhengjia; Lin Zhenguo; Tang Haibao; Zhang Liangsheng	FRONTIERS IN PLANT SCIENCE	2018
100%	110	110	0	Integrated Syntenic and Phylogenomic Analyses Reveal an Ancient Genome Duplication in Monocots	Jiao Yuannian; Li Jingping; Tang Haibao; Paterson Andrew H.	PLANT CELL	2014
100%	51	51	0	An overview of chlorophenols as contaminants and their removal from wastewater by adsorption: A review	Garba Zaharaddeen N.; Zhou Weiming; Lawan Ibrahim; Xiao Wei; Zhang Mingxi; Wang	JOURNAL OF ENVIRONMENTAL MANAGEMENT	2019

					Liwei; Chen Lihui; Yuan Zhanhui		
100%	18	18	0	The role of ROS-induced change of respiratory metabolism in pulp breakdown development of longan fruit during storage	Lin Yixiong; Lin Hetong; Chen Yihui; Wang Hui; Lin Mengshi; Ritenour Mark A.; Lin Yifen	FOOD CHEMISTRY	2020
100%	18	18	0	Effects of chitosan treatment on the storability and quality properties of longan fruit during storage	Lin Yuzhao; Li NA; Lin Hetong; Lin Mengshi; Chen Yihui; Wang Hui; Ritenour Mark A.; Lin Yifen	FOOD CHEMISTRY	2020
99%	70	71	1	Assessing hydrological effects and performance of low impact development practices based on future scenarios modeling	Wang MO; Zhang Dong Qing; Su Jin; Dong Jian Wen; Tan Soon Keat	JOURNAL OF CLEANER PRODUCTION	2018
97%	76	78	2	Suppression of Jasmonic Acid-Mediated Defense by Viral-Inducible MicroRNA319 Facilitates Virus Infection in Rice	Zhang Chao; Ding Zuomei; Wu Kangcheng; Yang Liang; Li Yang; Yang Zhen; Shi Shan; Liu Xiaojuan; Zhao Shanshan; Yang Zhirui; Wang YU; Zheng Luping; Wei Juan; Du Zhenguo; Zhang Aihong; Miao Hongqin; Li YI; Wu Zujian; Wu Jianguo	MOLECULAR PLANT	2016
97%	107	110	3	Three-dimensional Fe ₃ O ₄ -graphene macroscopic composites for arsenic and arsenate removal	Guo Liangqia; Ye Peirong; Wang Jing; Fu FengFu; Wu Zujian	JOURNAL OF HAZARDOUS MATERIALS	2015
96%	75	78	3	Rice Reoviruses in Insect Vectors	Wei Taiyun; Li YI	ANNUAL REVIEW OF PHYTOPATHOLOGY, VOL 54	2016
96%	23	24	1	Preparation and evaluation of an effective activated carbon from white sugar for the adsorption of rhodamine B dye	Xiao Wei; Garba Zaharaddeen N.; Sun Shichang; Lawan Ibrahim; Wang Liwei; Lin Ming; Yuan Zhanhui	JOURNAL OF CLEANER PRODUCTION	2020
93%	13	14	1	Exocytosis and endocytosis: coordinating and fine-tuning the polar tip growth domain in pollen tubes	Guo Jingzhe; Yang Zhenbiao	JOURNAL OF EXPERIMENTAL BOTANY	2020
93%	13	14	1	A VIT-like transporter facilitates iron transport into nodule symbiosomes for nitrogen fixation in soybean	Liu Sheng; Liao Li Li; Nie Miao Miao; Peng Wen Ting; Zhang Meng Shi; Lei Jia Ning; Zhong Yong Jia; Liao Hong; Chen Zhi Chang	NEW PHYTOLOGIST	2020
93%	51	55	4	Application of propyl gallate alleviates pericarp browning in harvested longan fruit by modulating metabolisms of respiration and energy	Lin Yifen; Lin Yixiong; Lin Hetong; Chen Yihui; Wang Hui; Shi John	FOOD CHEMISTRY	2018
93%	37	40	3	Chlorogenic acid and caffeic acid from <i>Sonchus oleraceus</i> Linn	Chen Lei; Teng Hui; Cao Hui	FOOD AND CHEMICAL	2019

				synergistically attenuate insulin resistance and modulate glucose uptake in HepG2 cells		TOXICOLOGY	
92%	85	92	7	MOF-808: A Metal-Organic Framework with Intrinsic Peroxidase-Like Catalytic Activity at Neutral pH for Colorimetric Biosensing	Zheng He-Qi; Liu Chun-yan; Zeng Xue-Yu; Chen Jin; Lu Jian; Lin Rong-Guang; Cao Rong; Lin Zu-Jin; Su Jin-Wei	INORGANIC CHEMISTRY	2018
92%	70	76	6	Low-Complexity and High-Resolution DOA Estimation for Hybrid Analog and Digital Massive MIMO Receive Array	Shu Feng; Qin Yaolu; Liu Tingting; Gui Linqing; Zhang Yijin; Li Jun; Han Zhu	IEEE TRANSACTIONS ON COMMUNICATIONS	2018
92%	22	24	2	Enhanced in situ biodegradation of microplastics in sewage sludge using hyperthermophilic composting technology	Chen Zhi; Zhao Wenqi; Xing Ruizhi; Xie Shengjia; Yang Xinggui; Cui Peng; Lu Jian; Liao Hanpeng; Yu Zhen; Wang Shenghan; Zhou Shungui	JOURNAL OF HAZARDOUS MATERIALS	2020
92%	22	24	2	Enhanced fractionation of dye/salt mixtures by tight ultrafiltration membranes via fast bio-inspired co-deposition for sustainable textile wastewater management	Ye Wenyuan; Ye Kunfeng; Lin Fang; Liu Hongwei; Jiang Mei; Wang Jing; Liu Riri; Lin Jiuyang	CHEMICAL ENGINEERING JOURNAL	2020
92%	88	96	8	Playing on a Pathogen's Weakness: Using Evolution to Guide Sustainable Plant Disease Control Strategies	Zhan Jiasui; Thrall Peter H.; Papaix Julien; Xie Lianhui; Burdon Jeremy J.	ANNUAL REVIEW OF PHYTOPATHOLOGY, VOL 53	2015
91%	32	35	3	Enhanced functional properties of biopolymer film incorporated with curcumin-loaded mesoporous silica nanoparticles for food packaging	Wu Chunhua; Zhu Yang; Wu Tiantian; Wang Lin; Yuan Yi; Chen Jicheng; Hu Yaqin; Pang Jie	FOOD CHEMISTRY	2019
91%	103	113	10	The Apostasia genome and the evolution of orchids	Zhang Guo-Qiang; Liu Ke-Wei; Li Zhen; Lohaus Rolf; Hsiao Yu-Yun; Niu Shan-Ce; Wang Jie-Yu; Lin Yao-Cheng; Xu Qing; Chen Li-jun; Yoshida Kouki; Fujiwara Sumire; Wang Zhi-wen; Zhang Yong-Qiang; Mitsuda Nobutaka; Wang Meina; Liu Guo-Hui; Pecoraro Lorenzo; Huang Hui-Xia; Xiao Xin-Ju; Lin Min; Wu Xin-yi; Wu Wan-Lin; Chen You-Yi; Chang Song-Bin; Sakamoto Shingo; Ohme-Takagi Masaru; Yagi Masafumi; Zeng Si-Jin; Shen Ching-Yu;	NATURE	2017
91%	41	45	4	BRASSINOSTEROID-SIGNALING KINASE1 Phosphorylates MAPKKK5	Yan Haojie; Zhao Yaofei; Shi	PLANT PHYSIOLOGY	2018

				to Regulate Immunity in Arabidopsis	Hua; Li Juan; Wang Yingchun; Tang Dingzhong		
90%	75	83	8	A new remote sensing index for assessing the spatial heterogeneity in urban ecological quality: A case from Fuzhou City, China	Hu Xisheng; Xu Hanqiu	ECOLOGICAL INDICATORS	2018
90%	54	60	6	Photocatalytic Degradation of Tetracycline Antibiotics over CdS/Nitrogen-Doped-Carbon Composites Derived from in Situ Carbonization of Metal-Organic Frameworks	Cao Hai-Lei; Cai Feng-Ying; Yu Kai; Zhang Yu-Qing; Lu Jian; Cao Rong	ACS SUSTAINABLE CHEMISTRY & ENGINEERING	2019
89%	74	83	9	Early stage litter decomposition across biomes	Djukic Ika; Kepfer-Rojas Sebastian; Schmidt Inger Kappel; Larsen Klaus Steenberg; Beier Claus; Berg Bjoern; Verheyen Kris; Caliman Adriano; Paquette Alain; Gutierrez-Giron Alba; Humber Alberto; Valdecantos Alejandro; Petraglia Alessandro; Alexander Heather; Augustaitis Algirdas; Saillard Amelie; Ruiz Fernandez Ana Carolina; Sousa Ana I.; Lillebo Ana I.; da Rocha Gripp Anderson; Francez Andre-Jean; Fischer Andrea; et al.	SCIENCE OF THE TOTAL ENVIRONMENT	2018
89%	49	55	6	Origin and spatial distribution of heavy metals and carcinogenic risk assessment in mining areas at You'xi County southeast China	Lu Jian; Jiao Wen-Bin; Qiu Haiyuan; Chen Ben; Huang Xiaoxia; Kang Bin	GEODERMA	2018
89%	16	18	2	Polysaccharides from Marine Enteromorpha: Structure and function	Zhong Ruting; Wan Xuzhi; Wang Dingyi; Zhao Chao; Liu Dan; Gao Luying; Wang Mingfu; Wu ChangJer; Nabavid Sayed Mohammad; Daglia Maria; Capanoglu Esra; Xiao Jianbo; Cao Hui	TRENDS IN FOOD SCIENCE & TECHNOLOGY	2020
89%	63	71	8	Recent advancements and challenges in Solar Tracking Systems (STS): A review	Nsengiyumva Walter; Chen Shi Guo; Hu Lihua; Chen Xueyong	RENEWABLE & SUSTAINABLE ENERGY REVIEWS	2018
87%	48	55	7	Rapid determination of thiabendazole in juice by SERS coupled with novel gold nanosubstrates	Alsammarraie Fouad K.; Lin Mengshi; Mustapha Azlin; Lin	FOOD CHEMISTRY	2018

					Hetong; Chen Xi; Chen Yihui; Wang Hui; Huang Meizhen		
87%	48	55	7	Ethanol extract of <i>Ganoderma lucidum</i> ameliorates lipid metabolic disorders and modulates the gut microbiota composition in high-fat diet fed rats	Guo Wei-ling; Pan Yu-Yang; Li Lu; Li Tian-Tian; Liu Bin; Lv Xu-Cong	FOOD & FUNCTION	2018
87%	54	62	8	Seed priming by sodium nitroprusside improves salt tolerance in wheat (<i>Triticum aestivum</i> L.) by enhancing physiological and biochemical parameters	Ali Qasim; Daud M. K.; Haider Muhammad Zulqurnain; Ali Shafaqat; Rizwan Muhammad; Aslam Nosheen; Noman Ali; Iqbal Naeem; Shahzad Faisal; Deeba Farah; Ali Iftikhar; Zhu Shui Jin	PLANT PHYSIOLOGY AND BIOCHEMISTRY	2017
87%	74	85	11	Zinc oxide nanoparticles induce apoptosis and autophagy in human ovarian cancer cells	Bai Ding-Ping; Zhang Xi-Feng; Zhang Guo-liang; Huang Yi-Fan; Gurunathan Sangiliyandi	INTERNATIONAL JOURNAL OF NANOMEDICINE	2017
87%	154	178	24	NRAV, a Long Noncoding RNA, Modulates Antiviral Responses through Suppression of Interferon-Stimulated Gene Transcription	Ouyang Jing; Zhu Xiaomei; Chen Yuhai; Wei Haitao; Chen Qinghuang; Chi Xiaojuan; Qi Baomin; Zhang Lianfeng; Zhao Yi; Gao George Fu; Wang Guoshun; Chen Ji-Long	CELL HOST & MICROBE	2014
86%	67	78	11	Improving crop nutrient efficiency through root architecture modifications	Li Xinxin; Zeng Rensen; Liao Hong	JOURNAL OF INTEGRATIVE PLANT BIOLOGY	2016
86%	121	141	20	Allele-defined genome of the autopolyploid sugarcane <i>Saccharum spontaneum</i> L.	Zhang Jisen; Zhang Xingtian; Tang Haibao; Zhang Qing; Hua Xiuting; Ma Xiaokai; Zhu Fan; Jones Tyler; Zhu Xinguang; Bowers John; Wai Ching Man; Zheng Chunfang; Shil Yan; Chen Shuai; Xu Xiuming; Yue Jingjing; Nelsons David R.; Huang Lixian; Li Zhen; Xu Huimin; Zhou Dong; Wang Yongjun; Hu Weichang; Lin Jishan; Deng Youjin; Pandey Neha; Mancini Melina; Zerpa Dessiree; Nguyen Julie K.; Wang Liming; Yu Liang; Xin Yinghui; Ge Liangfa; Arro Jie; Han Jennifer O.;	NATURE GENETICS	2018

86%	6	7	1	Rapid elimination of trace bisphenol pollutants with porous beta-cyclodextrin modified cellulose nanofibrous membrane in water: adsorption behavior and mechanism	Lv Yuancai; Ma Jiachen; Liu Kaiyang; Jiang Yanting; Yang Guifang; Liu Yifan; Lin Chunxiang; Ye Xiaoxia; Shi Yongqian; Liu Minghua; Chen Lihui	JOURNAL OF HAZARDOUS MATERIALS	2021
86%	12	14	2	Photooligomerization Determines Photosensitivity and Photoreactivity of Plant Cryptochromes	Liu Qing; Su Tiantian; He Wenjin; Ren Huibo; Liu Siyuan; Chen Yadi; Gao Lin; Hu Xiaohua; Lu Haoyue; Cao Shijiang; Huang Ying; Wang XU; Wang Qin; Lin Chentao	MOLECULAR PLANT	2020
86%	30	35	5	Microbial communities and volatile metabolites in different traditional fermentation starters used for Hong Qu glutinous rice wine	Huang Zi-Rui; Guo Wei-ling; Zhou Wen-Bin; Li Lu; Xu Jia-xin; Hong Jia-Li; Liu Hui-Peng; Zeng Feng; Bai Wei-dong; Liu Bin; Ni Li; Rao Ping-fan; Lv Xu-Cong	FOOD RESEARCH INTERNATIONAL	2019
86%	30	35	5	Antidiabetic Potential of Green Seaweed Enteromorpha prolifera Flavonoids Regulating Insulin Signaling Pathway and Gut Microbiota in Type 2 Diabetic Mice	Yan Xin; Yang Chengfeng; Lin Guopeng; Chen Yuqing; Miao Song; Liu Bin; Zhao Chao	JOURNAL OF FOOD SCIENCE	2019
85%	47	55	8	The Herbicide Glyphosate Negatively Affects Midgut Bacterial Communities and Survival of Honey Bee during Larvae Reared in Vitro	Dai Pingli; Yan Zhenxiong; Ma Shilong; Yang Yang; Wang Qiang; Hou Chunsheng; Wu Yanyan; Liu Yongjun; Diao Qingyun	JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY	2018
85%	47	55	8	Effects of a novel chitosan formulation treatment on quality attributes and storage behavior of harvested litchi fruit	Jiang Xuanjing; Lin Hetong; Shi John; Neethirajan Suresh; Lin Yifen; Chen Yihui; Wang Hui; Lin Yixiong	FOOD CHEMISTRY	2018
85%	82	96	14	Molecular characterization and RNA interference analysis of vitellogenin receptor from Nilaparvata lugens (Stal)	Lu Kai; Shu Yinghua; Zhou Jialiang; Zhang Xiaoyi; Zhang Xinyu; Chen Mingxiao; Yao Qiong; Zhou Qiang; Zhang Wenqing	JOURNAL OF INSECT PHYSIOLOGY	2015
85%	23	27	4	A ratiometric electrochemical DNA biosensor for detection of exosomal MicroRNA	Luo Lipei; Wang Liangliang; Zeng Lupeng; Wang Yuru; Weng Yunping; Liao Yijuan; Chen Tingting; Xia Yaokun; Zhang Jing; Chen Jinghua	TALANTA	2020

85%	307	362	55	A heterozygous moth genome provides insights into herbivory and detoxification	You Minsheng; Yue Zhen; He Weiyi; Yang Xinhua; Yang Guang; Xie Miao; Zhan Dongliang; Baxter Simon W.; Vasseur Liette; Gurr Geoff M.; Douglas Carl J.; Bai Jianlin; Wang Ping; Cui Kai; Huang Shiguo; Li Xianchun; Zhou Qing; Wu Zhangyan; Chen Qilin; Liu Chunhui; Wang Bo; Li Xiaojing; Xu Xiufeng; Lu Changxin; Hu Min; Davey John W.; Smith Sandy M.; Chen Mingshun; Xia Xiaofeng;	NATURE GENETICS	2013
85%	78	92	14	A ratiometric electrochemical biosensor for the exosomal microRNAs detection based on bipedal DNA walkers propelled by locked nucleic acid modified toehold mediate strand displacement reaction	Zhang Jing; Wang Liang-Liang; Hou Mei-Feng; Xia Yao-Kun; He Wen-Hui; Yan An; Weng Yun-Ping; Zeng Lu-Peng; Chen Jing-Hua	BIOSENSORS & BIOELECTRONICS	2018
85%	117	138	21	Remote estimation of canopy height and aboveground biomass of maize using high-resolution stereo images from a low-cost unmanned aerial vehicle system	Li Wang; Niu Zheng; Chen Hanyue; Li Dong; Wu Mingquan; Zhao Wei	ECOLOGICAL INDICATORS	2016
85%	221	261	40	The pineapple genome and the evolution of CAM photosynthesis	Ming Ray; VanBuren Robert; Wai Ching Man; Tang Haibao; Schatz Michael C.; Bowers John E.; Lyons Eric; Wang Ming-Li; Chen Jung; Biggers Eric; Zhang Jisen; Huang Lixian; Zhang Lingmao; Miao Wenjing; Zhang Jian; Ye Zhangyao; Miao Chenyong; Lin Zhicong; Wang Hao; Zhou Hongye; Yim Won C.; Priest Henry D.; Zheng Chunfang; Woodhouse Margaret; Edger Patrick P.; Guyot Romain; Guo Hao-Bo; Guo Hong; Zheng Guangyong; Singh Ratnesh; Sharma Anupma; Min Xiangjia; Zheng Yun; Lee Hayan;	NATURE GENETICS	2015

84%	97	115	18	Metal Resistance and Its Association With Antibiotic Resistance	Pal Chandan; Asiani Karishma; Arya Sankalp; Rensing Christopher; Stekel Dov J.; Larsson D. G. Joakim; Hobman Jon L.	MICROBIOLOGY OF METAL IONS	2017
84%	70	83	13	Conventional Ultrafiltration As Effective Strategy for Dye/Salt Fractionation in Textile Wastewater Treatment	Jiang Mei; Ye Kunfeng; Deng Jiajie; Lin Jiuyang; Ye Wenyuan; Zhao Shuaifei; Van der Bruggen Bart	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2018
84%	26	31	5	Visible-light-driven photocatalytic H ₂ evolution over CdZnS nanocrystal solid solutions: interplay of twin structures, sulfur vacancies and sacrificial agents	Huang Hai-bo; Fang Zhi-Bin; Yu Kai; Lu Jian; Cao Rong	JOURNAL OF MATERIALS CHEMISTRY A	2020
83%	15	18	3	Emulsions loaded with dihydromyricetin enhance its transport through Caco-2 monolayer and improve anti-diabetic effect in insulin resistant HepG2 cell	Chen Lei; Lin Xiujun; Teng Hui	JOURNAL OF FUNCTIONAL FOODS	2020
83%	50	60	10	Melatonin Mediates Enhancement of Stress Tolerance in Plants	Debnath Biswojit; Islam Waqar; Li Min; Sun Yueting; Lu Xiaocao; Mitra Sangeeta; Hussain Mubasher; Liu Shuang; Qiu Dongliang	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2019
83%	29	35	6	Simultaneous determination of six main types of lipid-soluble pigments in green tea by visible and near-infrared spectroscopy	Li Xiaoli; Jin Juanjuan; Sun Chanjun; Ye Dapeng; Liu Yufei	FOOD CHEMISTRY	2019
83%	29	35	6	A review on advanced microencapsulation technology to enhance bioavailability of phenolic compounds: Based on its activity in the treatment of Type 2 Diabetes	Chen Lei; Gnanaraj Charles; Arulselvan Palanisamy; El-Seedi Hesham; Teng Hui	TRENDS IN FOOD SCIENCE & TECHNOLOGY	2019
83%	101	122	21	Efficient Capture and Effective Sensing of Cr ^{2O7} ²⁻ from Water Using a Zirconium Metal Organic Framework	Lin Zu-Jin; Zheng He-Qi; Zheng Huan-Yu; Lin Li-Ping; Xin Qin; Cao Rong	INORGANIC CHEMISTRY	2017
82%	37	45	8	Interlinked regulatory loops of ABA catabolism and biosynthesis coordinate fruit growth and ripening in woodland strawberry	Liao Xiong; Li Mengsi; Liu Bin; Yan Miaoling; Yu Xiaomin; Zi Hailing; Liu Renyi; Yamamuro Chizuko	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2018
82%	104	127	23	NADPH oxidases regulate septin-mediated cytoskeletal remodeling during plant infection by the rice blast fungus	Ryder Lauren S.; Dagdas Yasin F.; Mentlak Thomas A.; Kershaw Michael J.; Thornton Christopher R.; Schuster Martin; Chen Jisheng; Wang Zonghua; Talbot Nicholas J.	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2013
82%	31	38	7	Stepwise selection on homeologous PRR genes controlling flowering and maturity during soybean domestication	Lu Sijia; Dong Lidong; Fang Chao; Liu Shulin; Kong	NATURE GENETICS	2020

					Lingping; Cheng Qun; Chen Liyu; Su Tong; Nan Haiyang; Zhang Dan; Zhang Lei; Wang Zhijuan; Yang Yongqing; Yu Deyue; Liu Xiaolei; Yang Qingyong; Lin Xiaoya; Tang Yang; Zhao Xiaohui; Yang Xinquan; Tian Changen; Xie Qiguang; Li Xia; Yuan Xiaohui; Tian Zhixi; Liu Baohui; Weller James L.; Kong Fanjiang		
81%	56	69	13	Rb2 inhibits alpha-glucosidase and regulates glucose metabolism by activating AMPK pathways in HepG2 cells	Teng Hui; Chen Lei; Fang Ting; Yuan Benyao; Lin Qiyang	JOURNAL OF FUNCTIONAL FOODS	2017
80%	4	5	1	Monitoring dissolved organic matter in wastewater and drinking water treatments using spectroscopic analysis and ultra-high resolution mass spectrometry	Shi Weixin; Zhuang Wan-E; Hur Jin; Yang Liyang	WATER RESEARCH	2021
80%	4	5	1	Co-selection of antibiotic resistance genes, and mobile genetic elements in the presence of heavy metals in poultry farm environments	Mazhar Sohaib H.; Li Xuanji; Rashid Azhar; Su Junming; Xu JunQiang; Brejnrod Asker Daniel; Su Jian-Qiang; Wu Yijian; Zhu Yong-guan; Zhou Shun Gui; Feng Renwei; Rensing Christopher	SCIENCE OF THE TOTAL ENVIRONMENT	2021
80%	4	5	1	An electroactive biofilm-based biosensor for water safety: Pollutants detection and early-warning	Qi Xiang; Wang Shuyi; Li Tian; Wang Xin; Jiang Yong; Zhou Yuexi; Zhou Xiaohong; Huang Xia; Liang Peng	BIOSENSORS & BIOELECTRONICS	2021
80%	4	5	1	Adult nutrition affects reproduction and flight performance of the invasive fall armyworm, Spodoptera frugiperda in China	He Li-mei; Jiang Shan; Chen Yuchao; Wyckhuys Kris A. G.; Ge Shi-shuai; He Wei; Gao Xi-wu; Wu Kong-ming	JOURNAL OF INTEGRATIVE AGRICULTURE	2021
80%	24	30	6	CsBRC1 inhibits axillary bud outgrowth by directly repressing the auxin efflux carrier CsPIN3 in cucumber	Shen Junjun; Zhang Yaqi; Ge Danfeng; Wang Zhongyi; Song Weiyuan; Gu Ran; Che Gen; Cheng Zhihua; Liu Renyi; Zhang Xiaolan	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2019
80%	28	35	7	Recent trends and applications of cellulose nanocrystals in food industry	Mu Ruojun; Hong Xin; Ni Yongsheng; Li Yuanzhao; Pang Jie; Wang QI; Xiao Jianbo; Zheng Yafeng	TRENDS IN FOOD SCIENCE & TECHNOLOGY	2019

79%	11	14	3	Transcription Factors in Plant Stress Responses: Challenges and Potential for Sugarcane Improvement	Javed Talha; Shabbir Rubab; Ali Ahmad; Afzal Irfan; Zaheer Uroosa; Gao San-Ji	PLANTS-BASEL	2020
78%	78	100	22	Structural and physicochemical properties of lotus seed starch treated with ultra-high pressure	Guo Zebin; Zeng Shaoxiao; Lu Xu; Zhou Meiling; Zheng Mingjing; Zheng Baodong	FOOD CHEMISTRY	2015
78%	191	245	54	Review of research on Dendrobium, a prized folk medicine	Ng Tzi Bun; Liu Jingyi; Wong Jack Ho; Ye Xiujian; Sze Stephen Cho Wing; Tong Yao; Zhang Kalin Yanbo	APPLIED MICROBIOLOGY AND BIOTECHNOLOGY	2012
78%	21	27	6	Donor-acceptor conjugated polymer-based nanoparticles for highly effective photoacoustic imaging and photothermal therapy in the NIR-II window	Wei Zuwu; Xin Fuli; Zhang Jian; Wu Ming; Qiu Ting; Lan Yintao; Qiao Shuangying; Liu Xiaolong; Liu Jingfeng	CHEMICAL COMMUNICATIONS	2020
78%	35	45	10	Application of constructed wetlands for treating agricultural runoff and agro-industrial wastewater: a review	Wang MO; Zhang Dongqing; Dong Jianwen; Tan Soon Keat	HYDROBIOLOGIA	2018
78%	35	45	10	Antagonism of Transcription Factor MYC2 by EDS1/PAD4 Complexes Bolsters Salicylic Acid Defense in Arabidopsis Effector-Triggered Immunity	Cui Haitao; Qiu Jingde; Zhou Yue; Bhandari Deepak D.; Zhao Chunhui; Bautor Jaqueline; Parker Jane E.	MOLECULAR PLANT	2018
78%	38	49	11	Host Lipids in Positive-Strand RNA Virus Genome Replication	Zhang Zhenlu; He Guijuan; Filipowicz Natalie A.; Randall Glenn; Belov George A.; Kopek Benjamin G.; Wang Xiaofeng	FRONTIERS IN MICROBIOLOGY	2019
77%	71	92	21	An Ultra-Robust and Crystalline Redeemable Hydrogen-Bonded Organic Framework for Synergistic Chemo-Photodynamic Therapy	Yin Qi; Zhao Peng; Sa Rong-Jian; Chen Guang-Cun; Lu Jian; Liu Tian-Fu; Cao Rong	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	2018
77%	98	127	29	Inverse modulation of plant immune and brassinosteroid signaling pathways by the receptor-like cytoplasmic kinase BIK1	Lin Wenwei; Lu Dongping; Gao Xiquan; Jiang Shan; Ma Xiyu; Wang Zonghua; Mengiste Tesfaye; He Ping; Shan Libo	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2013
77%	27	35	8	The effects of chemical and organic fertilizer usage on rhizosphere soil in tea orchards	Lin Weiwei; Lin Manhong; Zhou Hongyan; Wu Hongmiao; Li Zhaowei; Lin Wenxiong	PLOS ONE	2019
77%	27	35	8	Role of intestinal microecology in the regulation of energy metabolism by dietary polyphenols and their metabolites	Lin Shaoling; Wang Zhengyu; Lam Ka-Lung; Zeng Shaoxiao; Tan Bee K.; Hu Jiamiao	FOOD & NUTRITION RESEARCH	2019
77%	27	35	8	Polysaccharide peptides from Ganoderma lucidum ameliorate lipid metabolic disorders and gut microbiota dysbiosis in high-fat diet-fed rats	Lv Xu-Cong; Guo Wei-ling; Li Lu; Yu Xiao-dan; Liu Bin	JOURNAL OF FUNCTIONAL FOODS	2019

77%	27	35	8	Monascus yellow, red and orange pigments from red yeast rice ameliorate lipid metabolic disorders and gut microbiota dysbiosis in Wistar rats fed on a high- fat diet	Zhou Wenbin; Guo Rui; Guo Weiling; Hong Jiali; Li Lu; Ni Li; Sun Jinyuan; Liu Bin; Rao Pingfan; Lv Xucong	FOOD & FUNCTION	2019
77%	64	83	19	Enhancing sludge methanogenesis with improved redox activity of extracellular polymeric substances by hematite in red mud	Ye Jie; Hu Andong; Ren Guoping; Chen Man; Tang Jiahuan; Zhang Panyue; Zhou Shungui; He Zhen	WATER RESEARCH	2018
77%	74	96	22	Role of secondary metabolites in plant defense against pathogens	Zaynab Madiha; Fatima Mahpara; Abbas Safdar; Sharif Yasir; Umair Muhammad; Zafar Muhammad Hammad; Bahadar Khalida	MICROBIAL PATHOGENESIS	2018
77%	20	26	6	Benzothiazole derivatives as anticancer agents	Irfan Ali; Batool Fozia; Naqvi Syeda Andleeb Zahra; Islam Amjad; Osman Sameh M.; Nocentini Alessio; Alissa Siham A.; Supuran Claudiu T.	JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY	2020
76%	16	21	5	Sonchus oleraceus Linn extract enhanced glucose homeostasis through the AMPK/Akt/GSK-3 beta signaling pathway in diabetic liver and HepG2 cell culture	Chen Lei; Lin Xiujun; Fan Xiaoyun; Qian Yuewei; Lv Qiyang; Teng Hui	FOOD AND CHEMICAL TOXICOLOGY	2020
76%	34	45	11	RNA-directed DNA methylation involves co-transcriptional small-RNA-guided slicing of polymerase V transcripts in Arabidopsis	Liu Wanlu; Duttke Sascha H.; Hetzel Jonathan; Groth Martin; Feng Suhua; Gallego-Bartolome Javier; Zhong Zhenhui; Kuo Hsuan Yu; Wang Zonghua; Zhai Jixian; Chory Joanne; Jacobsen Steven E.	NATURE PLANTS	2018
76%	34	45	11	How Does Silicon Mediate Plant Water Uptake and Loss Under Water Deficiency?	Chen Daoqian; Wang Shiwen; Yin Lina; Deng Xiping	FRONTIERS IN PLANT SCIENCE	2018
75%	52	69	17	Red raspberry and its anthocyanins: Bioactivity beyond antioxidant capacity	Teng Hui; Fang Ting; Lin Qiyang; Song Hongbo; Liu Bin; Chen Lei	TRENDS IN FOOD SCIENCE & TECHNOLOGY	2017
75%	3	4	1	Increasing temperature elevates the variation and spatial differentiation of pesticide tolerance in a plant pathogen	Lurwanu Yahuza; Wang Yanping; Wu E-Jiao; He Dun-Chun; Waheed Abdul; Nkurikiyimfura Oswald; Wang Zhen; Shang Li-Ping; Yang Li-Na; Zhan Jiasui	EVOLUTIONARY APPLICATIONS	2021
74%	26	35	9	Effects of domestic cooking process on the chemical and biological properties of dietary phytochemicals	Zhao Chao; Liu Yuanyuan; Lai Shanshan; Cao Hui; Guan Yi;	TRENDS IN FOOD SCIENCE & TECHNOLOGY	2019

					Cheang Wai San; Liu Bin; Zhao Kewei; Miao Song; Riviere Celine; Capanogluh Esra; Xiao Jianbo		
74%	46	62	16	Multiple PPR protein interactions are involved in the RNA editing system in Arabidopsis mitochondria and plastids	Andres-Colas Nuria; Zhu Qiang; Takenaka Mizuki; De Rybel Bert; Weijers Dolf; Van Der Straeten Dominique	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2017
74%	112	151	39	Nonlinear analysis of concrete-filled square stainless steel stub columns under axial compression	Tao Zhong; Uy Brian; Liao Fei-Yu; Han Lin-Hai	JOURNAL OF CONSTRUCTIONAL STEEL RESEARCH	2011
74%	63	85	22	Pretreatment of wheat straw leads to structural changes and improved enzymatic hydrolysis	Zheng Qi; Zhou Tiantian; Wang Yibin; Cao Xiaohua; Wu Songqing; Zhao Meili; Wang Haoyuan; Xu Ming; Zheng Baodong; Zheng Jingui; Guan Xiong	SCIENTIFIC REPORTS	2018
73%	22	30	8	Uncoupled Expression of Nuclear and Plastid Photosynthesis-Associated Genes Contributes to Cell Death in a Lesion Mimic Mutant	Lv Ruiqing; Li Zihao; Li Mengping; Dogra Vivek; Lv Shanshan; Liu Renyi; Lee Keun Pyo; Kim Chanhong	PLANT CELL	2019
73%	22	30	8	Adaption of Roots to Nitrogen Deficiency Revealed by 3D Quantification and Proteomic Analysis	Qin Lu; Walk Thomas C.; Han Peipei; Chen Liyu; Zhang Sheng; Li Yinshui; Hu Xiaojia; Xie Lihua; Yang Yong; Liu Jiping; Lu Xing; Yu Changbing; Tian Jiang; Shaff Jon E.; Kochian Leon V; Liao Xing; Liao Hong	PLANT PHYSIOLOGY	2019
73%	33	45	12	KLU suppresses megasporocyte cell fate through SWR1-mediated activation of WRKY28 expression in Arabidopsis	Zhao Lihua; Cai Hanyang; Su Zhenxia; Wang Lulu; Huang Xinyu; Zhang Man; Chen Piaojuan; Dai Xiaozhuan; Zhao Heming; Palanivelu Ravishankar; Chen Xuemei; Qin Yuan	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2018
73%	19	26	7	Intelligent gelatin/oxidized chitin nanocrystals nanocomposite films containing black rice bran anthocyanins for fish freshness monitorings	Ge Yujun; Li Yuan; Bai Yan; Yuan Chunhong; Wu Chunhua; Hu Yaqin	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2020
73%	70	96	26	CaWRKY6 transcriptionally activates CaWRKY40, regulates	Cai Hanyang; Yang Sheng; Yan	JOURNAL OF	2015

				Ralstonia solanacearum resistance, and confers high-temperature and high-humidity tolerance in pepper	Yan; Xiao Zhuoli; Cheng Junbin; Wu Ji; Qiu Ailian; Lai Yan; Mou Shaoliang; Guan Deyi; Huang Ronghua; He Shuilin	EXPERIMENTAL BOTANY	
73%	59	81	22	Fungal Endophytes: Beyond Herbivore Management	Bamisile Bamisope S.; Dash Chandra K.; Akutse Komivi S.; Keppanan Ravindran; Wang Liande	FRONTIERS IN MICROBIOLOGY	2018
73%	40	55	15	The roles of ROS production-scavenging system in Lasiodiplodia theobromae (Pat.) Griff. & Maubl.-induced pericarp browning and disease development of harvested longan fruit	Sun Junzheng; Lin Hetong; Zhang Shen; Lin Yifen; Wang Hui; Lin Mengshi; Hung Yen-Con; Chen Yihui	FOOD CHEMISTRY	2018
73%	40	55	15	Structures and operating principles of the replisome	Gao Yang; Cui Yanxiang; Fox Tara; Lin Shiqiang; Wang Huaibin; de Val Natalia; Zhou Z. Hong; Yang Wei	SCIENCE	2019
73%	45	62	17	The Kalanchoe genome provides insights into convergent evolution and building blocks of crassulacean acid metabolism	Yang Xiaohan; Hu Rongbin; Yin Hengfu; Jenkins Jerry; Shu ShengQiang; Tang Haibao; Liu Degao; Weighill Deborah A.; Yim Won Cheol; Ha Jungmin; Heyduk Karolina; Goodstein David M.; Guo Hao-Bo; Moseley Robert C.; Fitzek Elisabeth; Jawdy Sara; Zhang Zhihao; Xie Meng; Hartwell James; Grimwood Jane; Abraham Paul E.; Mewalal Ritesh; Beltran Juan D.;	NATURE COMMUNICATIONS	2017

注：InCites 数据库论文被引频次截止时间为 2021 年 6 月 30 日，ESI 高被引论文阈值数据截止时间为 2021 年 6 月 30 日；
被引频次差距指的是该论文距离成为高被引论文还需增加的被引频次；
表中部分论文的高被引潜力值达到 100%却不是高被引论文，主要原因为 InCites 数据库统计被 CPCI 论文引用数，而 ESI 不统计 CPCI 论文引用数，导致 InCites 数据库统计的被引频次偏高。

从表中可以看出，在非高被引论文中，我校有 66 篇论文的高被引潜力值大于 80%，这其中有 31 篇论文与阈值的被引频次差距小于等于 5 次，若这些论文持续得到新的引用，则将来有很大希望成为 ESI 高被引论文。

2021 年 9 月