

Dan He

List of Publications by Year in descending order

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55
papers

2,487
citations

257450

24
h-index

206112

48
g-index

55
all docs

55
docs citations

55
times ranked

3155
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial scale affects the relative role of stochasticity versus determinism in soil bacterial communities in wheat fields across the North China Plain. <i>Microbiome</i> , 2018, 6, 27.	11.1	286
2	Soil fungal diversity in natural grasslands of the Tibetan Plateau: associations with plant diversity and productivity. <i>New Phytologist</i> , 2017, 215, 756-765.	7.3	248
3	Diversity and co-occurrence network of soil fungi are more responsive than those of bacteria to shifts in precipitation seasonality in a subtropical forest. <i>Soil Biology and Biochemistry</i> , 2017, 115, 499-510.	8.8	134
4	Emerging Approaches in Enhancing the Efficiency and Stability in Non-Fullerene Organic Solar Cells. <i>Advanced Energy Materials</i> , 2020, 10, 2002746.	19.5	124
5	Composition of the soil fungal community is more sensitive to phosphorus than nitrogen addition in the alpine meadow on the Qinghai-Tibetan Plateau. <i>Biology and Fertility of Soils</i> , 2016, 52, 1059-1072.	4.3	121
6	A Fused Ring Electron Acceptor with Decacyclic Core Enables over 13.5% Efficiency for Organic Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1802050.	19.5	97
7	Development of isomer-free fullerene bisadducts for efficient polymer solar cells. <i>Energy and Environmental Science</i> , 2016, 9, 2114-2121.	30.8	95
8	A High-Performance D-A Copolymer Based on Dithieno[3,2-b:2',3'-d]Pyridine(4H)-One Unit Compatible with Fullerene and Nonfullerene Acceptors in Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1602509.	19.5	92
9	Environment and geographic distance differ in relative importance for determining fungal community of rhizosphere and bulk soil. <i>Environmental Microbiology</i> , 2017, 19, 3649-3659.	3.8	78
10	Ammonia-oxidizing bacteria rather than archaea respond to short-term urea amendment in an alpine grassland. <i>Soil Biology and Biochemistry</i> , 2017, 107, 218-225.	8.8	77
11	A Small molecule acceptors with ladder-type arenes for organic solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8839-8854.	10.3	75
12	Additive-Free Organic Solar Cells with Power Conversion Efficiency over 10%. <i>Advanced Energy Materials</i> , 2017, 7, 1602663.	19.5	72
13	pH Influences the Importance of Niche-Related and Neutral Processes in Lacustrine Bacterioplankton Assembly. <i>Applied and Environmental Microbiology</i> , 2015, 81, 3104-3114.	3.1	67
14	Distinct methanotrophic communities exist in habitats with different soil water contents. <i>Soil Biology and Biochemistry</i> , 2019, 132, 143-152.	8.8	65
15	Methanofullerenes, C ₆₀ (CH ₂) _n (n = 1, 2, 3), as Building Blocks for High-Performance Acceptors Used in Organic Solar Cells. <i>Organic Letters</i> , 2014, 16, 612-615.	4.6	62
16	Low-cost materials for organic solar cells. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15395-15406.	5.5	58
17	Non-Radiative Recombination Energy Losses in Non-Fullerene Organic Solar Cells. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	58
18	Warming and nutrient enrichment in combination increase stochasticity and beta diversity of bacterioplankton assemblages across freshwater mesocosms. <i>ISME Journal</i> , 2017, 11, 613-625.	9.8	57

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19	Epiphytic bacterial communities on two common submerged macrophytes in Taihu Lake: diversity and host-specificity. <i>Chinese Journal of Oceanology and Limnology</i> , 2012, 30, 237-247.	0.7	56
20	Contrasting diversity of epibiotic bacteria and surrounding bacterioplankton of a common submerged macrophyte, <i>Potamogeton crispus</i> , in freshwater lakes. <i>FEMS Microbiology Ecology</i> , 2014, 90, 551-562.	2.7	53
21	Improving the stability of P3HT/PC61BM solar cells by a thermal crosslinker. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4589.	10.3	39
22	Historical logging alters soil fungal community composition and network in a tropical rainforest. <i>Forest Ecology and Management</i> , 2019, 433, 228-239.	3.2	37
23	A highly efficient fullerene acceptor for polymer solar cells. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 7205.	2.8	31
24	Rapid response of arbuscular mycorrhizal fungal communities to short-term fertilization in an alpine grassland on the Qinghai-Tibet Plateau. <i>PeerJ</i> , 2016, 4, e2226.	2.0	29
25	The response of methanotrophs to additions of either ammonium, nitrate or urea in alpine swamp meadow soil as revealed by stable isotope probing. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	26
26	Modulating morphology via side-chain engineering of fused ring electron acceptors for high performance organic solar cells. <i>Science China Chemistry</i> , 2019, 62, 790-796.	8.2	26
27	A pentacyclic building block containing an azepine-2,7-dione moiety for polymer solar cells. <i>Polymer Chemistry</i> , 2016, 7, 2329-2332.	3.9	24
28	Plant Taxonomic Diversity Better Explains Soil Fungal and Bacterial Diversity than Functional Diversity in Restored Forest Ecosystems. <i>Plants</i> , 2019, 8, 479.	3.5	24
29	Bacterioplankton Metacommunity Processes across Thermal Gradients: Weaker Species Sorting but Stronger Niche Segregation in Summer than in Winter in a Subtropical Bay. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	24
30	DNA stable-isotope probing highlights the effects of temperature on functionally active methanotrophs in natural wetlands. <i>Soil Biology and Biochemistry</i> , 2020, 149, 107954.	8.8	23
31	Responses of litter, organic and mineral soil enzyme kinetics to 6 years of canopy and understory nitrogen additions in a temperate forest. <i>Science of the Total Environment</i> , 2020, 712, 136383.	8.0	22
32	Shifts in community composition and co-occurrence patterns of phyllosphere fungi inhabiting <i>Mussaenda shikokiana</i> along an elevation gradient. <i>PeerJ</i> , 2018, 6, e5767.	2.0	20
33	Bacterioplankton communities turn unstable and become small under increased temperature and nutrient-enriched conditions. <i>FEMS Microbiology Ecology</i> , 2013, 84, 614-624.	2.7	16
34	Vibration and buckling of orthotropic functionally graded micro-plates on the basis of a re-modified couple stress theory. <i>Results in Physics</i> , 2017, 7, 3778-3787.	4.1	16
35	Growing season drives the compositional changes and assembly processes of epiphytic bacterial communities of two submerged macrophytes in Taihu Lake. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	2.7	16
36	An azafullerene acceptor for organic solar cells. <i>RSC Advances</i> , 2014, 4, 24029.	3.6	15

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37	Bending, free vibration and buckling analyses of anisotropic layered micro-plates based on a new size-dependent model. <i>Composite Structures</i> , 2018, 189, 137-147.	5.8	13
38	Substrate type and plant phenolics influence epiphytic bacterial assembly during short-term succession. <i>Science of the Total Environment</i> , 2021, 792, 148410.	8.0	12
39	The effect of fluorination on the photovoltaic performance of the D α A copolymers containing naphtho[2,3-c]thiophene-4,9-dione and bithiophene moieties. <i>Polymer Chemistry</i> , 2016, 7, 4993-4997.	3.9	11
40	Vibration and Buckling of Functionally Graded Sandwich Micro-Plates Based on a New Size-Dependent Model. <i>International Journal of Applied Mechanics</i> , 2019, 11, 1950004.	2.2	10
41	Long-term restoration altered edaphic properties and soil microbial communities in forests: evidence from four plantations of southern China. <i>Restoration Ecology</i> , 2021, 29, e13354.	2.9	10
42	Phosphorus and Zinc Are Strongly Associated with Belowground Fungal Communities in Wheat Field under Long-Term Fertilization. <i>Microbiology Spectrum</i> , 2022, 10, e0011022.	3.0	10
43	D α A Conjugated Polymers Based on Tetracyclic Acceptor Units: Synthesis and Application in Organic Solar Cells. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 2054-2060.	2.2	8
44	Replacing indenenes on fullerene with CH ₂ groups benefits photovoltaic performance. <i>Science China Chemistry</i> , 2015, 58, 370-372.	8.2	8
45	Synthesis, characterization and photovoltaic properties of conjugated copolymers based on 2-alkyl-thieno[3,4-b]imidazole. <i>Synthetic Metals</i> , 2012, 162, 1694-1700.	3.9	5
46	Function of CH ₂ Addends on 54 α Fullerene Acceptors. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 936-939.	2.7	5
47	Effect of Isomeric Structures on Photovoltaic Performance of D α A Copolymers. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700074.	3.9	5
48	Strong Secrecy Capacity of a Class of Wiretap Networks. <i>Entropy</i> , 2016, 18, 238.	2.2	4
49	Lock-up function of fluorine enhances photovoltaic performance of polythiophene. <i>Science China Chemistry</i> , 2017, 60, 251-256.	8.2	4
50	A microstructure-dependent plate model for orthotropic functionally graded micro-plates. <i>Mechanics of Advanced Materials and Structures</i> , 2019, 26, 1218-1225.	2.6	4
51	Multi-channel GPR to assess the influence of shallow structural heterogeneity on spatio-temporal variations of near-surface soil water content. , 2012, , .		3
52	Arbitrarily Varying Wiretap Channel: a New Scheme for the Proof of Strong Secrecy. , 2018, , .		3
53	Strong Secrecy of Arbitrarily Varying Multiple Access Channels. <i>IEEE Transactions on Information Forensics and Security</i> , 2021, 16, 3662-3677.	6.9	3
54	Highly efficient fused ring electron acceptors based on a new undecacyclic core. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2001-2006.	5.9	3

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55	Strong Secrecy of Arbitrarily Varying Wiretap Channel With Constraints. IEEE Transactions on Information Theory, 2022, 68, 4700-4722.	2.4	3