

Hongwei Yu

List of Publications by Year in descending order

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37
papers

1,355
citations

430874

18
h-index

345221

36
g-index

38
all docs

38
docs citations

38
times ranked

900
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel deep UV nonlinear optical crystal Ba ₃ B ₆ O ₁₁ F ₂ , with a new fundamental building block, B ₆ O ₁₄ group. <i>Journal of Materials Chemistry</i> , 2012, 22, 9665.	6.7	177
2	Microplastic residues in wetland ecosystems: Do they truly threaten the plant-microbe-soil system?. <i>Environment International</i> , 2021, 156, 106708.	10.0	115
3	A new congruent-melting oxyborate, Pb ₄ O(BO ₃) ₂ with optimally aligned BO ₃ triangles adopting layered-type arrangement. <i>Journal of Materials Chemistry</i> , 2012, 22, 2105-2110.	6.7	108
4	Effects of microplastics and glyphosate on growth rate, morphological plasticity, photosynthesis, and oxidative stress in the aquatic species <i>Salvinia cucullata</i> . <i>Environmental Pollution</i> , 2021, 279, 116900.	7.5	74
5	Ecotoxicity of polystyrene microplastics to submerged carnivorous <i>Utricularia vulgaris</i> plants in freshwater ecosystems. <i>Environmental Pollution</i> , 2020, 265, 114830.	7.5	69
6	First Principle Assisted Prediction of the Birefringence Values of Functional Inorganic Borate Materials. <i>Journal of Physical Chemistry C</i> , 2014, 118, 25651-25657.	3.1	67
7	Growth, thermal and optical properties of a novel nonlinear optical material K ₃ B ₆ O ₁₀ Cl. <i>CrystEngComm</i> , 2012, 14, 799-803.	2.6	53
8	Submerged macrophytes successfully restored a subtropical aquacultural lake by controlling its internal phosphorus loading. <i>Environmental Pollution</i> , 2021, 268, 115949.	7.5	44
9	Polyethylene microplastics interfere with the nutrient cycle in water-plant-sediment systems. <i>Water Research</i> , 2022, 214, 118191.	11.3	40
10	Synthesis and Structure of KPbBP ₂ O ₈ – A Congruent Melting Borophosphate with Nonlinear Optical Properties. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3185-3190.	2.0	33
11	Effectiveness of dredging on internal phosphorus loading in a typical aquacultural lake. <i>Science of the Total Environment</i> , 2020, 744, 140883.	8.0	32
12	Impact of microplastics on the foraging, photosynthesis and digestive systems of submerged carnivorous macrophytes under low and high nutrient concentrations. <i>Environmental Pollution</i> , 2022, 292, 118220.	7.5	31
13	Effect of lithium boron oxide glass coating on the electrochemical performance of LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ . <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 1481-1486.	2.5	30
14	Isotopic and chemical evidence for nitrate sources and transformation processes in a plateau lake basin in Southwest China. <i>Science of the Total Environment</i> , 2020, 711, 134856.	8.0	30
15	Noncentrosymmetric Cubic CsCdBO ₃ with Bichromophore. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 5528-5533.	2.0	22
16	Sedimentary ancient DNA metabarcoding delineates the contrastingly temporal change of lake cyanobacterial communities. <i>Water Research</i> , 2020, 183, 116077.	11.3	22
17	Clonal integration increases growth performance and expansion of <i>Eichhornia crassipes</i> in littoral zones: A simulation study. <i>Environmental and Experimental Botany</i> , 2019, 159, 13-22.	4.2	20
18	Na ₂ Cd ₇ B ₈ O ₂₀ : a new noncentrosymmetric compound with special [B ₃ O ₇] units. <i>CrystEngComm</i> , 2013, 15, 3412.	2.6	18

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19	Does Soil Nutrient Heterogeneity Improve the Growth Performance and Intraspecific Competition of the Invasive Plant <i>Myriophyllum aquaticum</i> ?. <i>Frontiers in Plant Science</i> , 2019, 10, 723.	3.6	18
20	Responses of the native species <i>Sparganium angustifolium</i> and the invasive species <i>Egeria densa</i> to warming and interspecific competition. <i>PLoS ONE</i> , 2018, 13, e0199478.	2.5	18
21	Isotopic dynamics of precipitation and its regional and local drivers in a plateau inland lake basin, Southwest China. <i>Science of the Total Environment</i> , 2021, 763, 143043.	8.0	17
22	Effects of Temporal Heterogeneity of Water Supply and Spatial Heterogeneity of Soil Nutrients on the Growth and Intraspecific Competition of <i>Bolboschoenus yagara</i> Depend on Plant Density. <i>Frontiers in Plant Science</i> , 2018, 9, 1987.	3.6	15
23	Effects of a spatially heterogeneous nutrient distribution on the growth of clonal wetland plants. <i>BMC Ecology</i> , 2020, 20, 59.	3.0	14
24	The Effect of the Ratio of [M/(B+P)] on the Configuration of Anionic Groups: Synthesis of the Borate-Phosphate $\text{LiPb}_4(\text{BO}_3)_2(\text{PO}_4)_2$. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 3467-3473.	2.0	13
25	Synthesis, Crystal Structure, and Properties of a New Lead Barium Borate, $\text{Pb}_{1.13}\text{Ba}_{7.87}\text{B}_{18}\text{O}_{36}$. <i>Chemistry Letters</i> , 2012, 41, 812-813.	1.3	10
26	Effects of resource heterogeneity and environmental disturbance on the growth performance and interspecific competition of wetland clonal plants. <i>Global Ecology and Conservation</i> , 2020, 22, e00914.	2.1	10
27	Highly competitive native aquatic species could suppress the growth of invasive aquatic species with similar traits. <i>Biological Invasions</i> , 2021, 23, 267-280.	2.4	10
28	The influence of small-scale resource heterogeneity caused by human activities on the growth phenotype of invasive aquatic plants. <i>Ecological Indicators</i> , 2021, 125, 107504.	6.3	8
29	Variation in resource allocation strategies and environmental driving factors for different life-forms of aquatic plants in cold temperate zones. <i>Journal of Ecology</i> , 2021, 109, 3046-3059.	4.0	8
30	Synthesis, Crystal Structure, and Characterization of a Congruent Melting Compound Magnesium Strontium Diborate MgSrB_2O_5 . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 1805-1809.	1.2	7
31	Different Stages of Aquatic Vegetation Succession Driven by Environmental Disturbance in the Last 38 Years. <i>Water (Switzerland)</i> , 2019, 11, 1412.	2.7	7
32	Synthesis, Structure Characterization, and Optical Properties of the Aluminosilicate $\text{Li}_2\text{Na}_3\text{AlSi}_2\text{O}_8$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 779-783.	1.2	6
33	Moderate hydrological disturbance and high nutrient substrate enhance the performance of <i>Myriophyllum aquaticum</i> . <i>Hydrobiologia</i> , 2021, 848, 2331-2343.	2.0	6
34	Influence of Soil Nutrient Heterogeneity and Competition on Sprouting and Ramets Growth of <i>Alternanthera philoxeroides</i> . <i>Clean - Soil, Air, Water</i> , 2019, 47, 1800182.	1.1	5
35	New Borate-triurate: Synthesis, Structure, and Properties of $\text{Sr}[\text{B}(\text{C}_6\text{H}_5\text{O}_7)_2](\text{H}_2\text{O})_4 \cdot 3\text{H}_2\text{O}$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 856-860.		
36	Functional evenness and community-weighted mean traits have strong correlation with macrophyte community productivity. <i>Aquatic Sciences</i> , 2022, 84, 1.	1.5	2

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37	Survey-based approach to establish macrobenthic biological network in lakes. Resources, Conservation and Recycling, 2020, 162, 105061.	10.8	0