

Jean Armstrong

List of Publications by Year in descending order

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14
papers

1,029
citations

759055

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1058333

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docs citations

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times ranked

884
citing authors

#	ARTICLE	IF	CITATIONS
1	Phragmites australis: Venturi- and humidity-induced pressure flows enhance rhizome aeration and rhizosphere oxidation. <i>New Phytologist</i> , 1992, 120, 197-207.	3.5	289
2	Rice: Sulfide-induced Barriers to Root Radial Oxygen Loss, Fe ²⁺ and Water Uptake, and Lateral Root Emergence. <i>Annals of Botany</i> , 2005, 96, 625-638.	1.4	197
3	Rice and Phragmites : effects of organic acids on growth, root permeability, and radial oxygen loss to the rhizosphere. <i>American Journal of Botany</i> , 2001, 88, 1359-1370.	0.8	153
4	An overview of the effects of phytotoxins on Phragmites australis in relation to die-back. <i>Aquatic Botany</i> , 2001, 69, 251-268.	0.8	79
5	Phragmites australis: effects of shoot submergence on seedling growth and survival and radial oxygen loss from roots. <i>Aquatic Botany</i> , 1999, 64, 275-289.	0.8	69
6	Stem Photosynthesis not Pressurized Ventilation is Responsible for Light-enhanced Oxygen Supply to Submerged Roots of Alder (<i>Alnus glutinosa</i>). <i>Annals of Botany</i> , 2005, 96, 591-612.	1.4	50
7	Mathematical modelling of methane transport by Phragmites: the potential for diffusion within the roots and rhizosphere. <i>Aquatic Botany</i> , 2001, 69, 293-312.	0.8	40
8	Pressurised aeration in wetland macrophytes: Some theoretical aspects of humidity-induced convection and thermal transpiration. <i>Folia Geobotanica Et Phytotaxonomica</i> , 1996, 31, 25-36.	0.4	36
9	A role for phytotoxins in the Phragmites die-back syndrome?. <i>Folia Geobotanica Et Phytotaxonomica</i> , 1996, 31, 127-142.	0.4	30
10	Chlorophyll development in mature lysigenous and schizogenous root aerenchymas provides evidence of continuing cortical cell viability. <i>New Phytologist</i> , 1994, 126, 493-497.	3.5	28
11	Record rates of pressurized gas flow in the great horsetail, <i>Equisetum telmateia</i> . Were Carboniferous Calamites similarly aerated?. <i>New Phytologist</i> , 2009, 184, 202-215.	3.5	22
12	Effects of oil on internal gas transport, radial oxygen loss, gas films and bud growth in Phragmites australis. <i>Annals of Botany</i> , 2009, 103, 333-340.	1.4	21
13	Reasons for the presence or absence of convective (pressurized) ventilation in the genus <i>Equisetum</i> . <i>New Phytologist</i> , 2011, 190, 387-397.	3.5	8
14	A modelling approach to the analysis of pressure-flow in Phragmites stands. <i>Aquatic Botany</i> , 2001, 69, 269-291.	0.8	7