

# Stephan Blossfeld

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11159020/publications.pdf>

Version: 2024-02-01

12  
papers

946  
citations

840776

11  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

1464  
citing authors

#	ARTICLE	IF	CITATIONS
1	GROWSCREEN-Rhizo is a novel phenotyping robot enabling simultaneous measurements of root and shoot growth for plants grown in soil-filled rhizotrons. <i>Functional Plant Biology</i> , 2012, 39, 891.	2.1	290
2	The dynamics of oxygen concentration, pH value, and organic acids in the rhizosphere of <i>Juncus</i> spp.. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1186-1197.	8.8	133
3	Non-invasive approaches for phenotyping of enhanced performance traits in bean. <i>Functional Plant Biology</i> , 2011, 38, 968.	2.1	120
4	Quantitative imaging of rhizosphere pH and CO <sub>2</sub> dynamics with planar optodes. <i>Annals of Botany</i> , 2013, 112, 267-276.	2.9	88
5	Rhizosphere pH dynamics in trace-metal-contaminated soils, monitored with planar pH optodes. <i>Plant and Soil</i> , 2010, 330, 173-184.	3.7	87
6	A novel non-invasive optical method for quantitative visualization of pH dynamics in the rhizosphere of plants. <i>Plant, Cell and Environment</i> , 2007, 30, 176-186.	5.7	78
7	Spring barley shows dynamic compensatory root and shoot growth responses when exposed to localised soil compaction and fertilisation. <i>Functional Plant Biology</i> , 2014, 41, 581.	2.1	47
8	Disentangling who is who during rhizosphere acidification in root interactions: combining fluorescence with optode techniques. <i>Frontiers in Plant Science</i> , 2013, 4, 392.	3.6	46
9	Light for the dark side of plant life: Planar optodes visualizing rhizosphere processes. <i>Plant and Soil</i> , 2013, 369, 29-32.	3.7	21
10	Monitoring rhizospheric pH, oxygen, and organic acid dynamics in two short-time flooded plant species. <i>Journal of Plant Nutrition and Soil Science</i> , 2012, 175, 761-768.	1.9	16
11	The Application of Novel Optical Sensors (Optodes) in Experimental Plant Ecology. <i>Progress in Botany Fortschritte Der Botanik</i> , 2008, , 333-358.	0.3	14
12	The Use of Planar Optodes in Root Studies for Quantitative Imaging. , 2012, , 83-92.		6