

# Peter J Lammers

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5894854/publications.pdf>

Version: 2024-02-01

56  
papers

5,644  
citations

87888

38  
h-index

161849

54  
g-index

57  
all docs

57  
docs citations

57  
times ranked

5546  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen transfer in the arbuscular mycorrhizal symbiosis. <i>Nature</i> , 2005, 435, 819-823.	27.8	876
2	Genome of an arbuscular mycorrhizal fungus provides insight into the oldest plant symbiosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20117-20122.	7.1	717
3	The uptake, metabolism, transport and transfer of nitrogen in an arbuscular mycorrhizal symbiosis. <i>New Phytologist</i> , 2005, 168, 687-696.	7.3	260
4	Translocation and Utilization of Fungal Storage Lipid in the Arbuscular Mycorrhizal Symbiosis. <i>Plant Physiology</i> , 2002, 128, 108-124.	4.8	228
5	Carbon Export from Arbuscular Mycorrhizal Roots Involves the Translocation of Carbohydrate as well as Lipid. <i>Plant Physiology</i> , 2003, 131, 1496-1507.	4.8	227
6	Optimization of microwave-assisted transesterification of dry algal biomass using response surface methodology. <i>Bioresource Technology</i> , 2011, 102, 1399-1405.	9.6	178
7	Comparison of direct transesterification of algal biomass under supercritical methanol and microwave irradiation conditions. <i>Fuel</i> , 2012, 97, 822-831.	6.4	171
8	Nonself vegetative fusion and genetic exchange in the arbuscular mycorrhizal fungus <i>Glomus intraradices</i> . <i>New Phytologist</i> , 2009, 181, 924-937.	7.3	165
9	High resolution FT-ICR mass spectral analysis of bio-oil and residual water soluble organics produced by hydrothermal liquefaction of the marine microalga <i>Nannochloropsis salina</i> . <i>Fuel</i> , 2014, 119, 47-56.	6.4	160
10	Regulation of the Nitrogen Transfer Pathway in the Arbuscular Mycorrhizal Symbiosis: Gene Characterization and the Coordination of Expression with Nitrogen Flux. <i>Plant Physiology</i> , 2010, 153, 1175-1187.	4.8	152
11	Conversion of waste cooking oil to biodiesel using ferric sulfate and supercritical methanol processes. <i>Fuel</i> , 2010, 89, 360-364.	6.4	150
12	An Osmotic Stress Protein of Cyanobacteria Is Immunologically Related to Plant Dehydrins. <i>Plant Physiology</i> , 1993, 101, 773-779.	4.8	128
13	Temperature effect on hydrothermal liquefaction of <i>Nannochloropsis gaditana</i> and <i>Chlorella</i> sp.. <i>Applied Energy</i> , 2016, 165, 943-951.	10.1	125
14	<i>Nannochloropsis</i> production metrics in a scalable outdoor photobioreactor for commercial applications. <i>Bioresource Technology</i> , 2012, 117, 164-171.	9.6	124
15	Genetic diversity and host plant preferences revealed by simple sequence repeat and mitochondrial markers in a population of the arbuscular mycorrhizal fungus <i>Glomus intraradices</i> . <i>New Phytologist</i> , 2008, 178, 672-687.	7.3	120
16	Symbiotic sequencing for the <i>Populus mesocosm</i> . <i>New Phytologist</i> , 2004, 161, 330-335.	7.3	105
17	Removal of dissolved organic carbon and nutrients from urban wastewaters by <i>Galdieria sulphuraria</i> : Laboratory to field scale demonstration. <i>Algal Research</i> , 2017, 24, 450-456.	4.6	101
18	Subcritical water extraction of lipids from wet algae for biodiesel production. <i>Fuel</i> , 2014, 133, 73-81.	6.4	89

#	ARTICLE	IF	CITATIONS
19	Hydrothermal liquefaction of Cyanidioschyzon merolae and the influence of catalysts on products. <i>Bioresource Technology</i> , 2017, 223, 91-97.	9.6	89
20	The Glyoxylate Cycle in an Arbuscular Mycorrhizal Fungus. Carbon Flux and Gene Expression. <i>Plant Physiology</i> , 2001, 127, 1287-1298.	4.8	88
21	Sequence of the nifD gene coding for the $\alpha$ subunit of dinitrogenase from the cyanobacterium <i>Anabaena</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1983, 80, 4723-4727.	7.1	82
22	Algal-based, single-step treatment of urban wastewaters. <i>Bioresource Technology</i> , 2015, 189, 273-278.	9.6	80
23	In situ ethyl ester production from wet algal biomass under microwave-mediated supercritical ethanol conditions. <i>Bioresource Technology</i> , 2013, 139, 308-315.	9.6	79
24	Review of the cultivation program within the National Alliance for Advanced Biofuels and Bioproducts. <i>Algal Research</i> , 2017, 22, 166-186.	4.6	72
25	Title is missing!. <i>Plant and Soil</i> , 2002, 244, 189-197.	3.7	68
26	Power dissipation in microwave-enhanced in situ transesterification of algal biomass to biodiesel. <i>Green Chemistry</i> , 2012, 14, 809.	9.0	64
27	The structure of a <i>Phaseolus vulgaris</i> cDNA encoding the iron storage protein ferritin. <i>Plant Molecular Biology</i> , 1991, 17, 499-504.	3.9	59
28	Translocation and utilization of fungal storage lipid in the arbuscular mycorrhizal symbiosis. <i>Plant Physiology</i> , 2002, 128, 108-24.	4.8	58
29	Developmental rearrangement of cyanobacterial nitrogen-fixation genes. <i>Trends in Genetics</i> , 1986, 2, 255-259.	6.7	56
30	Co-liquefaction of mixed culture microalgal strains under sub-critical water conditions. <i>Bioresource Technology</i> , 2017, 236, 129-137.	9.6	54
31	Feasibility of algal systems for sustainable wastewater treatment. <i>Renewable Energy</i> , 2015, 82, 71-76.	8.9	51
32	The genomes of polyextremophilic cyanidiales contain 1% horizontally transferred genes with diverse adaptive functions. <i>ELife</i> , 2019, 8, .	6.0	50
33	Root exudates stimulate the uptake and metabolism of organic carbon in germinating spores of <i>Glomus intraradices</i> . <i>New Phytologist</i> , 2008, 180, 684-695.	7.3	48
34	Germinating spores of <i>Glomus intraradices</i> can use internal and exogenous nitrogen sources for <i>de novo</i> biosynthesis of amino acids. <i>New Phytologist</i> , 2009, 184, 399-411.	7.3	41
35	Optimizing energy yields from nutrient recycling using sequential hydrothermal liquefaction with <i>Galdieria sulphuraria</i> . <i>Algal Research</i> , 2015, 12, 74-79.	4.6	41
36	Hydrothermal liquefaction of green microalga <i>Kirchneriella</i> sp. under sub- and super-critical water conditions. <i>Biomass and Bioenergy</i> , 2019, 120, 224-228.	5.7	41

#	ARTICLE	IF	CITATIONS
37	Investigation of Balanced Feedstocks of Lipids and Proteins To Synthesize Highly Effective Rejuvenators for Oxidized Asphalt. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7656-7667.	6.7	41
38	Translocation and Utilization of Fungal Storage Lipid in the Arbuscular Mycorrhizal Symbiosis. <i>Plant Physiology</i> , 2002, 128, 108-124.	4.8	38
39	Hydrothermal liquefaction of <i>Cyanidioschyzon merolae</i> and <i>Salicornia bigelovii</i> Torr.: The interaction effect on product distribution and chemistry. <i>Fuel</i> , 2020, 277, 118146.	6.4	34
40	Molecular diagnostics for monitoring contaminants in algal cultivation. <i>Algal Research</i> , 2014, 4, 41-51.	4.6	29
41	Title is missing!. <i>Plant and Soil</i> , 2002, 244, 141-148.	3.7	25
42	Temperature-Dependent Lipid Conversion and Nonlipid Composition of Microalgal Hydrothermal Liquefaction Oils Monitored by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Bioenergy Research</i> , 2015, 8, 1962-1972.	3.9	23
43	Techno-economic and life-cycle assessment of fuel production from mixotrophic <i>Galdieria sulphuraria</i> microalgae on hydrolysate. <i>Algal Research</i> , 2021, 59, 102419.	4.6	22
44	Production of functionalized carbon from synergistic hydrothermal liquefaction of microalgae and swine manure. <i>Resources, Conservation and Recycling</i> , 2021, 170, 105564.	10.8	21
45	Recycle of nitrogen and phosphorus in hydrothermal liquefaction biochar from <i>Galdieria sulphuraria</i> to cultivate microalgae. <i>Resources, Conservation and Recycling</i> , 2021, 171, 105644.	10.8	19
46	Nitrogen status modulates the expression of RNA-binding proteins in cyanobacteria. <i>FEMS Microbiology Letters</i> , 2003, 227, 203-210.	1.8	16
47	Evidence for induced allelopathy in an isolate of <i>Coelastrella</i> following co-culture with <i>Chlorella sorokiniana</i> . <i>Algal Research</i> , 2019, 41, 101535.	4.6	15
48	BLAST Filter and GraphAlign: rule-based formation and analysis of sets of related DNA and protein sequences. <i>Nucleic Acids Research</i> , 2004, 32, W26-W32.	14.5	14
49	Nutrient-driven algal-bacterial dynamics in semi-continuous, pilot-scale photobioreactor cultivation of <i>Nannochloropsis salina</i> CCMP1776 with municipal wastewater nutrients. <i>Algal Research</i> , 2019, 39, 101457.	4.6	14
50	Symbiotic signaling: new functions for familiar proteins. <i>New Phytologist</i> , 2004, 161, 324-326.	7.3	12
51	Alkane-induced expression, substrate binding profile, and immunolocalization of a cytochrome P450 encoded on the <i>nifD</i> excision element of <i>Anabaena</i> 7120. <i>BMC Microbiology</i> , 2005, 5, 16.	3.3	11
52	Tracking metabolism and imaging transport in arbuscular mycorrhizal fungi. , 2002, , 189-197.		10
53	<i>Nannochloropsis</i> sp. algae for use as biofuel: Analyzing a translog production function using data from multiple sites in the southwestern United States. <i>Algal Research</i> , 2014, 6, 124-131.	4.6	4
54	Alterations in photosynthesis and energy reserves in <i>Galdieria sulphuraria</i> during corn stover hydrolysate supplementation. <i>Bioresource Technology Reports</i> , 2019, 7, 100269.	2.7	2

#	ARTICLE	IF	CITATIONS
55	Remembering Milton Sommerfeld (1940-2017). <i>Algal Research</i> , 2017, 25, 576-577.	4.6	0
56	Expression in an arbuscular mycorrhizal fungus of genes putatively involved in metabolism, transport, the cytoskeleton and the cell cycle. , 2002, , 141-148.		0