

# Astrid Vieler

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

1,712  
citations

686830

13  
h-index

1058022

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

2211  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Mechanical Ventilation and Extracorporeal Membrane Oxygenation in Acute Respiratory Insufficiency. Deutsches A&#x0308;rztblatt International, 2018, 115, 840-847.  | 0.6 | 44        |
| 2  | Triacylglycerol profiling of microalgae <i>Chlamydomonas reinhardtii</i> and <i>Nannochloropsis oceanica</i> . Bioresource Technology, 2013, 146, 310-316.   | 4.8 | 65        |
| 3  | Remodeling of Membrane Lipids in Iron-starved <i>Chlamydomonas</i> . Journal of Biological Chemistry, 2013, 288, 30246-30258.  | 1.6 | 77        |
| 4  | Patron Driven Acquisition â€œ Wie wird die Ebook Library (EBL) an der UniversitÄt Leipzig genutzt?. Bibliothek: Forschung Und Praxis, 2013, 37, 363-367.   | 0.0 | 0         |
| 5  | Genome, Functional Gene Annotation, and Nuclear Transformation of the Heterokont Oleaginous Alga <i>Nannochloropsis oceanica</i> CCMP1779. PLoS Genetics, 2012, 8, e1003064.   | 1.5 | 376       |
| 6  | A Lipid Droplet Protein of <i>Nannochloropsis</i> with Functions Partially Analogous to Plant Oleosins. Plant Physiology, 2012, 158, 1562-1569.  | 2.3 | 106       |
| 7  | Systems Biology Approach in <i>Chlamydomonas</i> Reveals Connections between Copper Nutrition and Multiple Metabolic Steps. Plant Cell, 2011, 23, 1273-1292.   | 3.1 | 204       |
| 8  | Changes in Transcript Abundance in <i>Chlamydomonas reinhardtii</i> following Nitrogen Deprivation Predict Diversion of Metabolism. Plant Physiology, 2010, 154, 1737-1752.  | 2.3 | 455       |
| 9  | The lipid dependence of diadinoxanthin de-epoxidation presents new evidence for a macrodomain organization of the diatom thylakoid membrane. Journal of Plant Physiology, 2009, 166, 1839-1854.  | 1.6 | 38        |
| 10 | The influence of phase transitions in phosphatidylethanolamine models on the activity of violaxanthin de-epoxidase. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 1027-1034.   | 1.4 | 16        |
| 11 | Lipid dependence of diadinoxanthin solubilization and de-epoxidation in artificial membrane systems resembling the lipid composition of the natural thylakoid membrane. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 67-75. | 1.4 | 48        |
| 12 | The lipid composition of the unicellular green alga <i>Chlamydomonas reinhardtii</i> and the diatom <i>Cyclotella meneghiniana</i> investigated by MALDI-TOF MS and TLC. Chemistry and Physics of Lipids, 2007, 150, 143-155.            | 1.5 | 155       |
| 13 | Role of Hexagonal Structure-Forming Lipids in Diadinoxanthin and Violaxanthin Solubilization and De-Epoxidation. Biochemistry, 2005, 44, 4028-4036.  | 1.2 | 91        |
| 14 | Photophysiology and primary production of phytoplankton in freshwater. Physiologia Plantarum, 2004, 120, 347-357.  | 2.6 | 27        |