

Robert E Jinkerson

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

3,321
citations

393982

19
h-index

552369

26
g-index

28
all docs

28
docs citations

28
times ranked

4086
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Systematic characterization of gene function in the photosynthetic alga <i>Chlamydomonas reinhardtii</i> . <i>Nature Genetics</i> , 2022, 54, 705-714. | 9.4 | 42 |
| 2 | Cnidarian-Symbiodiniaceae symbiosis establishment is independent of photosynthesis. <i>Current Biology</i> , 2022, 32, 2402-2415.e4. | 1.8 | 23 |
| 3 | A hybrid inorganic–biological artificial photosynthesis system for energy-efficient food production. <i>Nature Food</i> , 2022, 3, 461-471. | 6.2 | 65 |
| 4 | Nanotechnology Approaches for Chloroplast Biotechnology Advancements. <i>Frontiers in Plant Science</i> , 2021, 12, 691295. | 1.7 | 25 |
| 5 | Symbiont population control by host-symbiont metabolic interaction in Symbiodiniaceae-cnidarian associations. <i>Nature Communications</i> , 2020, 11, 108. | 5.8 | 87 |
| 6 | A peek in the micro-sized world: a review of design principles, engineering tools, and applications of engineered microbial community. <i>Biochemical Society Transactions</i> , 2020, 48, 399-409. | 1.6 | 5 |
| 7 | A genome-wide algal mutant library and functional screen identifies genes required for eukaryotic photosynthesis. <i>Nature Genetics</i> , 2019, 51, 627-635. | 9.4 | 234 |
| 8 | Glucose-Induced Trophic Shift in an Endosymbiont Dinoflagellate with Physiological and Molecular Consequences. <i>Plant Physiology</i> , 2018, 176, 1793-1807. | 2.3 | 32 |
| 9 | Modulation of Medium-Chain Fatty Acid Synthesis in <i>Synechococcus</i> sp. PCC 7002 by Replacing FabH with a <i>Chaetoceros</i> Ketoacyl-ACP Synthase. <i>Frontiers in Plant Science</i> , 2016, 7, 690. | 1.7 | 11 |
| 10 | Effectiveness of cationically modified cellulose polymers for dewatering algae. <i>Separation Science and Technology</i> , 2016, 51, 892-898. | 1.3 | 8 |
| 11 | Molecular techniques to interrogate and edit the <i>Chlamydomonas</i> nuclear genome. <i>Plant Journal</i> , 2015, 82, 393-412. | 2.8 | 133 |
| 12 | A fluorescence-activated cell sorting-based strategy for rapid isolation of high-lipid <i>Chlamydomonas</i> mutants. <i>Plant Journal</i> , 2015, 81, 147-159. | 2.8 | 93 |
| 13 | Toward a photosynthetic microbial platform for terpenoid engineering. <i>Photosynthesis Research</i> , 2015, 123, 265-284. | 1.6 | 78 |
| 14 | Evolutionary and Biotechnological Implications of Robust Hydrogenase Activity in Halophilic Strains of <i>Tetraselmis</i> . <i>PLoS ONE</i> , 2014, 9, e85812. | 1.1 | 21 |
| 15 | Draft Genome Sequence of the Filamentous Cyanobacterium <i>Leptolyngbya</i> sp. Strain Heron Island J, Exhibiting Chromatic Acclimation. <i>Genome Announcements</i> , 2014, 2, . | 0.8 | 12 |
| 16 | Ultrastructure and Composition of the <i>Nannochloropsis gaditana</i> Cell Wall. <i>Eukaryotic Cell</i> , 2014, 13, 1450-1464. | 3.4 | 322 |
| 17 | Biocommodities from photosynthetic microorganisms. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 989-1001. | 1.3 | 20 |
| 18 | Genomic insights from the oleaginous model alga <i>Nannochloropsis gaditana</i> . <i>Bioengineered</i> , 2013, 4, 37-43. | 1.4 | 84 |

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|----|--|-----|-----------|
| 19 | Improving photosynthesis and metabolic networks for the competitive production of phototroph-derived biofuels. <i>Current Opinion in Biotechnology</i> , 2012, 23, 290-297. | 3.3 | 78 |
| 20 | Draft genome sequence and genetic transformation of the oleaginous alga <i>Nannochloropsis gaditana</i> . <i>Nature Communications</i> , 2012, 3, 686. | 5.8 | 438 |
| 21 | Genetic disruption of both <i>Chlamydomonas reinhardtii</i> [FeFe]-hydrogenases: Insight into the role of HYDA2 in H ₂ production. <i>Biochemical and Biophysical Research Communications</i> , 2012, 417, 704-709. | 1.0 | 97 |
| 22 | Improving biofuel production in phototrophic microorganisms with systems biology. <i>Biofuels</i> , 2011, 2, 125-144. | 1.4 | 20 |
| 23 | The production of the sesquiterpene β -caryophyllene in a transgenic strain of the cyanobacterium <i>Synechocystis</i> . <i>Journal of Plant Physiology</i> , 2011, 168, 848-852. | 1.6 | 89 |
| 24 | Increased Lipid Accumulation in the <i>Chlamydomonas reinhardtii</i> <i>sta7-10</i> Starchless Isoamylase Mutant and Increased Carbohydrate Synthesis in Complemented Strains. <i>Eukaryotic Cell</i> , 2010, 9, 1251-1261. | 3.4 | 317 |
| 25 | Genetic Engineering of Algae for Enhanced Biofuel Production. <i>Eukaryotic Cell</i> , 2010, 9, 486-501. | 3.4 | 969 |