

Jacqueline Shanks

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2369124/publications.pdf>

Version: 2024-02-01

21
papers

2,337
citations

430442

18
h-index

752256

20
g-index

21
all docs

21
docs citations

21
times ranked

1839
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Expression of tabersonine 16 α -hydroxylase and 16 α -hydroxytabersonine α -O α -methyltransferase in <i>Catharanthus roseus</i> hairy roots. <i>Biotechnology and Bioengineering</i> , 2018, 115, 673-683. | 1.7 | 20 |
| 2 | Membrane engineering via trans unsaturated fatty acids production improves <i>Escherichia coli</i> robustness and production of biorenewables. <i>Metabolic Engineering</i> , 2016, 35, 105-113. | 3.6 | 112 |
| 3 | Evolution for exogenous octanoic acid tolerance improves carboxylic acid production and membrane integrity. <i>Metabolic Engineering</i> , 2015, 29, 180-188. | 3.6 | 95 |
| 4 | An integrated computational and experimental study for overproducing fatty acids in <i>Escherichia coli</i> . <i>Metabolic Engineering</i> , 2012, 14, 687-704. | 3.6 | 102 |
| 5 | Linear Hydrocarbon Producing Pathways in Plants, Algae and Microbes. <i>Green Energy and Technology</i> , 2012, , 1-11. | 0.4 | 3 |
| 6 | The expression of 1-deoxy-d-xylulose synthase and geraniol-10-hydroxylase or anthranilate synthase increases terpenoid indole alkaloid accumulation in <i>Catharanthus roseus</i> hairy roots. <i>Metabolic Engineering</i> , 2011, 13, 234-240. | 3.6 | 113 |
| 7 | The effects of UV-B stress on the production of terpenoid indole alkaloids in <i>Catharanthus roseus</i> hairy roots. <i>Biotechnology Progress</i> , 2009, 25, 861-865. | 1.3 | 90 |
| 8 | Transcriptional response of the terpenoid indole alkaloid pathway to the overexpression of ORCA3 along with jasmonic acid elicitation of <i>Catharanthus roseus</i> hairy roots over time. <i>Metabolic Engineering</i> , 2009, 11, 76-86. | 3.6 | 145 |
| 9 | Metabolic flux maps comparing the effect of temperature on protein and oil biosynthesis in developing soybean cotyledons. <i>Plant, Cell and Environment</i> , 2008, 31, 506-517. | 2.8 | 85 |
| 10 | Quantification of Compartmented Metabolic Fluxes in Developing Soybean Embryos by Employing Biosynthetically Directed Fractional ^{13}C Labeling, Two-Dimensional [^{13}C , ^1H] Nuclear Magnetic Resonance, and Comprehensive Isotopomer Balancing. <i>Plant Physiology</i> , 2004, 136, 3043-3057. | 2.3 | 152 |
| 11 | Expression of a feedback-resistant anthranilate synthase in <i>Catharanthus roseus</i> hairy roots provides evidence for tight regulation of terpenoid indole alkaloid levels. <i>Biotechnology and Bioengineering</i> , 2004, 86, 718-727. | 1.7 | 83 |
| 12 | Metabolic engineering of the indole pathway in <i>Catharanthus roseus</i> hairy roots and increased accumulation of tryptamine and serpentine. <i>Metabolic Engineering</i> , 2004, 6, 268-276. | 3.6 | 114 |
| 13 | Metabolic Engineering of Plants for Alkaloid Production. <i>Metabolic Engineering</i> , 2002, 4, 41-48. | 3.6 | 94 |
| 14 | Determination of metabolic rate-limitations by precursor feeding in <i>Catharanthus roseus</i> hairy root cultures. <i>Journal of Biotechnology</i> , 2000, 79, 137-145. | 1.9 | 106 |
| 15 | Phytoremediation and Plant Metabolism of Explosives and Nitroaromatic Compounds. , 2000, , . | | 3 |
| 16 | Plant "hairy root"™ culture. <i>Current Opinion in Biotechnology</i> , 1999, 10, 151-155. | 3.3 | 239 |
| 17 | Characterization of Oxidation Products of TNT Metabolism in Aquatic Phytoremediation Systems of <i>Myriophyllum aquaticum</i> . <i>Environmental Science & Technology</i> , 1999, 33, 3354-3361. | 4.6 | 86 |
| 18 | Confirmation of Conjugation Processes during TNT Metabolism by Axenic Plant Roots. <i>Environmental Science & Technology</i> , 1999, 33, 446-452. | 4.6 | 145 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Effect of Elicitor Dosage and Exposure Time on Biosynthesis of Indole Alkaloids by <i>Catharanthus roseus</i> Hairy Root Cultures. <i>Biotechnology Progress</i> , 1998, 14, 442-449. | 1.3 | 145 |
| 20 | Transformation of TNT by Aquatic Plants and Plant Tissue Cultures. <i>Environmental Science & Technology</i> , 1997, 31, 266-271. | 4.6 | 271 |
| 21 | Production of indole alkaloids by selected hairy root lines of <i>Catharanthus roseus</i> . <i>Biotechnology and Bioengineering</i> , 1993, 41, 581-592. | 1.7 | 134 |