



Special Issue *Synthetic Biology*; July 2018

**Impact  
Factor  
3.103**

**SIMB**  
Society for Industrial Microbiology  
and Biotechnology

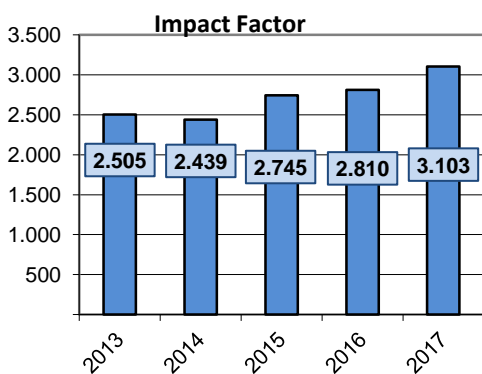
The Journal of Industrial Microbiology and Biotechnology is an international journal which publishes papers in metabolic engineering & synthetic biology; biocatalysis; fermentation & cell culture; natural products discovery & biosynthesis; bioenergy/biofuels/biochemicals; environmental microbiology; biotechnology methods; applied genomics & systems biotechnology; and food biotechnology & probiotics

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## 10 Most Cited Articles Published in 2016 (Data from Web of Science: October 15, 2018)

| Senior Author(s)           | Title  | Citations |
|----------------------------|--|-----------|
| L. Katz, R. Baltz          | Natural product discovery: past, present, and future   | 103       |
| R. Baltz                   | Genetic manipulation of secondary metabolite biosynthesis for improved production in <i>Streptomyces</i> and other actinomycetes                                     | 38        |
| D. Chen, Y. Jiang, S. Yang | Multiplex gene editing of the <i>Yarrowia lipolytica</i> genome using the CRISPR-Cas9 system   | 36        |
| S. Brady                   | Culture-independent discovery of natural products from soil metagenomes  | 27        |
| L. Chesnel, J. Silverman   | Discovery and development of surotomycin for the treatment of <i>Clostridium difficile</i>   | 17        |
| B. Shen                    | Genome neighborhood network reveals insights into enediynes biosynthesis and facilitates prediction and prioritization for discovery                                 | 17        |
| T. Satyanarayana           | A chimeric $\alpha$ -amylase engineered from <i>Bacillus acidicola</i> and <i>Geobacillus thermoleovorans</i> with improved thermostability and catalytic efficiency | 15        |
| Z. Deng                    | Natural and engineered biosynthesis of nucleoside antibiotics in Actinomycetes   | 14        |
| PdaS. Delabona             | Enhanced cellulase production by <i>Trichoderma harzianum</i> by cultivation on glycerol followed by induction on cellulosic substrates                              | 13        |
| T. Lee                     | Effect of the cathode potential and sulfate ions on nitrate reduction in a microbial electrochemical denitrification system  | 12        |

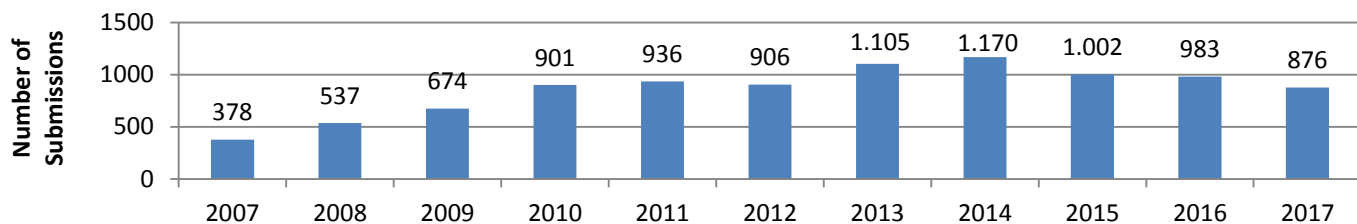
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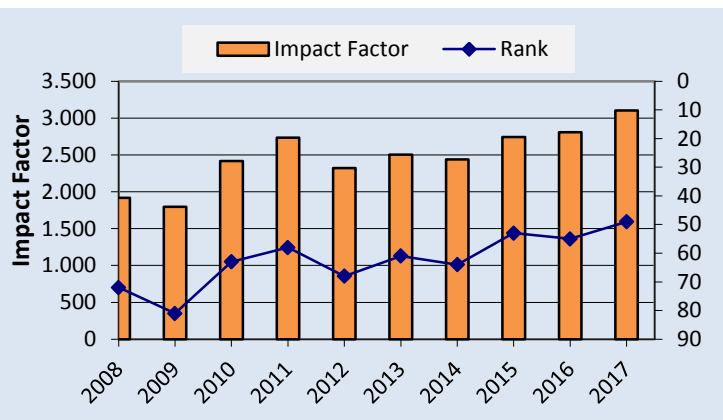
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## Impact Factor scales up to 3.103 in 2017!



| Year | IF    | Rank (Biotechn. + Appl. Microbiol.) | Total no of listed journals |
|------|-------|-------------------------------------|-----------------------------|
| 2008 | 1.919 | 72                                  | 144                         |
| 2009 | 1.798 | 81                                  | 150                         |
| 2010 | 2.416 | 63                                  | 159                         |
| 2011 | 2.735 | 58                                  | 157                         |
| 2012 | 2.321 | 68                                  | 159                         |
| 2013 | 2.505 | 61                                  | 162                         |
| 2014 | 2.439 | 64                                  | 163                         |
| 2015 | 2.745 | 53                                  | 161                         |
| 2016 | 2.810 | 55                                  | 158                         |
| 2017 | 3.103 | 49                                  | 160                         |

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| Title   | Authors                           | Article Type                             | Year | Downloads |
|---|-----------------------------------|--|------|-----------|
| Natural product discovery: past, present, and future  | Leonard Katz <i>et al.</i>        | Review<br>(SI Nat. Prod.)                | 2016 | 3,678     |
| Biobased production of alkanes and alkenes through metabolic engineering of microorganisms  | Min-Kyoung Kang <i>et al.</i>     | Review<br>(SI A. Demain)                 | 2017 | 1,776     |
| New lager yeast strains generated by interspecific hybridization  | Kristoffer Krogerus <i>et al.</i> | Original Article                         | 2015 | 1,740     |
| Hemicellulose bioconversion   | Badal C. Saha                     | Review<br>(SI Biotransf. & Biocatalysis) | 2003 | 1,572     |
| Microalgae as a raw material for biofuels production  | Luisa Gouveia <i>et al.</i>       | Original Article                         | 2009 | 1,567     |
| Methods and advances in metabolic flux analysis: a mini-review  | Maciek R. Antoniewicz             | Original Article<br>(SI Met. Eng.)       | 2015 | 1,502     |
| Harmful algal blooms: causes, impacts and detection   | Kevin G. Sellner <i>et al.</i>    | Review                                   | 2003 | 1,405     |
| Bioconversion of lignocellulosic biomass: biochemical and molecular perspectives  | Raj Kumar <i>et al.</i>           | Review<br>(SI BioEnergy)                 | 2008 | 1,390     |
| Effects of acetoacetyl-CoA synthase expression on production of farnesene in <i>Saccharomyces cerevisiae</i>                                      | Stefan Tippmann <i>et al.</i>     | Original Article                         | 2017 | 1,340     |
| Improved cider fermentation performance and quality with newly generated <i>Saccharomyces cerevisiae</i> x <i>Saccharomyces eubayanus</i> hybrids | Frederico Magalhães <i>et al.</i> | Original Article                         | 2017 | 1,303     |