



# Carolina N. Keim

Professor of Microbiology, Universidade Federal do Rio de Janeiro  
 Geomicrobiology, Biomineralization, Bacterial Motility

Google Scholar

| Citations  | Toutes | Depuis 2011 |
|------------|--------|-------------|
| Citations  | 727    | 417         |
| indice h   | 16     | 11          |
| indice i10 | 22     | 14          |

Titre 1–20

Citée par Année

## Cell organization and ultrastructure of a magnetotactic multicellular organism

CN Keim, F Abreu, U Lins, HL de Barros, M Farina  
 Journal of structural biology 145 (3), 254-262

70 2004

## Multicellular life cycle of magnetotactic prokaryotes

CN Keim, JL Martins, F Abreu, AS Rosado, HL de Barros, R Borojevic, ...  
 FEMS Microbiology Letters 240 (2), 203-208

66 2004

## 'Candidatus Magnetoglobus multicellularis', a multicellular, magnetotactic prokaryote from a hypersaline environment

F Abreu, JL Martins, TS Silveira, CN Keim, HGPL de Barros, ...  
 International Journal of Systematic and Evolutionary Microbiology 57 (6 ...

65 2007

## Magnetite (Fe<sub>3</sub>O<sub>4</sub>) and greigite (Fe<sub>3</sub>S<sub>4</sub>) crystals in multicellular magnetotactic prokaryotes

U Lins, CN Keim, FF Evans, M Farina, PR Buseck  
 Geomicrobiology Journal 24 (1), 43-50

62 \* 2007

## Simple homemade apparatus for harvesting uncultured magnetotactic microorganisms

U Lins, F Freitas, CN Keim, HL Barros, DMS Esquivel, M Farina  
 Brazilian Journal of Microbiology 34 (2), 111-116

51 2003

## Structure, behavior, ecology and diversity of multicellular magnetotactic prokaryotes

CN Keim, JL Martins, HL de Barros, U Lins, M Farina  
 Magnetoreception and magnetosomes in bacteria, 103-132

37 2006

## Magnetic optimization in a multicellular magnetotactic organism

M Winklhofer, LG Abraçado, AF Davila, CN Keim, HGPL de Barros  
 Biophysical journal 92 (2), 661-670

36 2007

## Electron Spectroscopic Imaging of Magnetotactic Bacteria: Magnetosome Morphology and Diversity

U Lins, F Freitas, CN Keim, M Farina  
 Microscopy and Microanalysis 6 (05), 463-470

29 2000

| Titre 1–20                                                                                                                                                                                                                                | Citée par | Année |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|
| <a href="#">Manganese in biogenic magnetite crystals from magnetotactic bacteria</a><br>CN Keim, U Lins, M Farina<br>FEMS microbiology letters 292 (2), 250-253                                                                           | 27        | 2009  |
| <a href="#">Flagellar apparatus of south-seeking many-celled magnetotactic prokaryotes</a><br>KT Silva, F Abreu, FP Almeida, CN Keim, M Farina, U Lins<br>Microscopy research and technique 70 (1), 10-17                                 | 27        | 2007  |
| <a href="#">Intracellular inclusions of uncultured magnetotactic bacteria</a><br>U Lins<br>International Microbiology 8, 111-117                                                                                                          | 27        | 2005  |
| <a href="#">Ferritin in iron containing granules from the fat body of the honeybees Apis mellifera and Scaptotrigona postica</a><br>CN Keim, C Cruz-Landim, FG Carneiro, M Farina<br>Micron 33 (1), 53-59                                 | 26        | 2002  |
| <a href="#">Gold and silver trapping by uncultured magnetotactic cocci</a><br>CN Keim, M Farina<br>Geomicrobiology Journal 22 (1-2), 55-63                                                                                                | 21        | 2005  |
| <a href="#">Elemental analysis of uncultured magnetotactic bacteria exposed to heavy metals</a><br>CN Keim, U Lins, M Farina<br>Canadian journal of microbiology 47 (12), 1132-1136                                                       | 21        | 2001  |
| <a href="#">Envelope ultrastructure of uncultured naturally occurring magnetotactic cocci</a><br>F Freitas, CN Keim, B Kachar, M Farina, U Lins<br>FEMS microbiology letters 219 (1), 33-38                                               | 19        | 2003  |
| <a href="#">Greigite magnetosome membrane ultrastructure in "Candidatus Magnetoglobus multicellularis"</a><br>F Abreu, KT Silva, M Farina, CN Keim, U Lins<br>International microbiology: official journal of the Spanish Society for ... | 18        | 2008  |
| <a href="#">Comparative analysis of Beggiatoa from hypersaline and marine environments</a><br>JP de Albuquerque, CN Keim, U Lins<br>Micron 41 (5), 507-517                                                                                | 16        | 2010  |
| <a href="#">Iron oxide and iron sulphide crystals in magnetotactic multicellular aggregates</a><br>CN Keim, U Lins, M Farina<br>Acta Microscopica 12, 3-4                                                                                 | 16        | 2003  |

Titre 1–20

Citée par Année

[Deep-etching electron microscopy of cells of \*Magnetospirillum magnetotacticum\*: Evidence for filamentous structures connecting the magnetosome chain to the cell surface](#)

14 2007

JL Martins, CN Keim, M Farina, B Kachar, U Lins

Current microbiology 54 (1), 1-4

[Zinc detoxification by a cyanobacterium from a metal contaminated bay in Brazil](#)

14 2004

L Andrade, CN Keim, M Farina, WC Pfeiffer

Brazilian Archives of Biology and Technology 47 (1), 147-152

*Le nombre de citations et les dates sont déterminés automatiquement par un programme informatique.*