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Apellidos:

CÁRDENAS VALENCIA

Título Profesional o Grado Académico (incluya el año de obtención):

INGENIERO MECÁNICO, 2003, COLOMBIA

Estudios de Postgrado o Especialización (institución donde lo obtuvo y año de obtención):

**DOCTOR EN CIENCIAS EXACTAS C/M QUÍMICA, 2007
UNIVERSIDAD ANDRÉS BELLO, CHILE - DOCTOR EN QUÍMICA, 2007,
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Actividad Actual e Institución en la cual trabaja:

**PROFESOR INSTRUCTOR DEL DEPARTAMENTO DE FÍSICA DE LA
FACULTAD DE CIENCIAS**

Reseña de su actividad laboral actual:

Especialidad: Física Teórica

Temas de Investigación: Química Teórica

Docencia e investigación: atomic and molecular physics; theoretical chemical physics; theoretical chemistry; density function theory; ab initio electronic structure; theoretical and computational chemistry; theoretical and computational materials science

PUBLICACIONES:

Echegaray, E., Cárdenas, C., Rabi, S., Rabi, N., Lee, S., Zadeh, F.H., Toro-Labbe, A., Anderson, J.S.M., Ayers, P.W.

In pursuit of negative Fukui functions: Examples where the highest occupied molecular orbital fails to dominate the chemical reactivity

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- COINVESTIGADOR, EXPLORING THE DYNAMICS AND REACTIVITY OF ATOMIC AND MOLECULAR CLUSTERS. FONDECYT 1130202, 2013
- INVESTIGADOR RESPONSIBLE, DESCRIBING THE REACTIVITY OF COMPLEX MOLECULAR SYSTEMS. FONDECYT 11090013, 2009

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