

“Morgan, D.”

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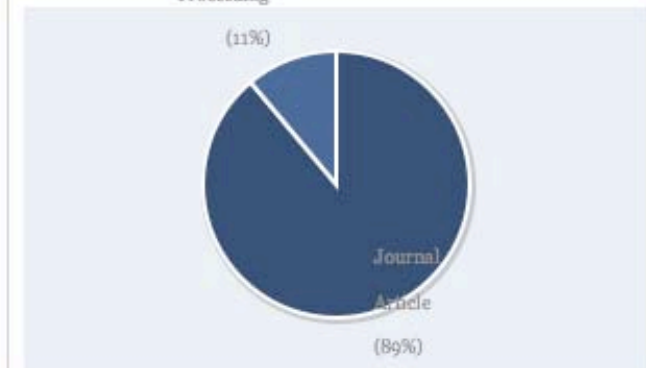
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- 1 [David Anderson](#)
- 1 [Joseph Talmadge](#)
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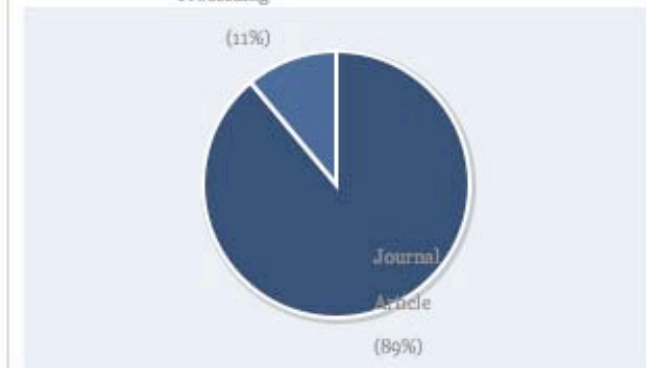
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Dane D Morgan
Engineering



David O Morgan
History

Author Disambiguation

ADMIN::Contributions

- Ab initio study of the composition dependence of the pressure-induced spin crossover in perovskite (Mg_{1-x}Fe_x)SiO₃

NameStrings: Bengtson, A.1 Persson, K. Morgan, D.

Source: Earth and Planetary Science Letters 265(3-4), 535-45.

Year: 2008

physics
citation

Keywords

ab initio calculations density functional theory Earth mantle geochemistry high-pressure effects iron compounds magnesium compounds minerals ab initio calculation perovskite Earth lower mantle composition dependence iron spin transition pressure iron concentration ferropericase iron structural environment Local Density Approximation Generalized Gradient Approximation exchange-correlation methods spin crossover MgFeSiO₃

two potential authors at UW-Madison

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ADMIN::Contributions

- Ab initio study of oxygen-vacancy ordering in oxygen conducting Ba₂In₂O₅

NameStrings: Yueh-Lin Lee **Morgan, D.**

Source: Unknown (), 71-6.

Year: 2006

physics
citation

Keywords

ab initio calculations barium compounds Monte Carlo methods order-disorder transformations thermodynamic properties vacancies (crystal) ab initio simulation oxygen-vacancy ordering oxygen conducting Ba₂In₂O₅ Monte Carlo simulation cluster expansion first-order orthorhombic-tetragonal phase transition second-order tetragonal-cubic phase transition O(3) plane O(2) plane Ba₂In₂O₅ - System

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ADMIN::Contributions

- High-throughput and data mining with ab initio methods
NameStrings Morgan, D., Ceder, G.1 Curtarolo, S.
Source: Measurement Science & Technology 16(1), 296-301.
Year: 2005

physics
citation

Keywords

ab initio calculations chemistry computing computational complexity data mining physics computing very large databases ab initio methods high-throughput computation robust methods computational screening crystal structure prediction iterative algorithm computational speed large databases

certainty climbing

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ADMIN::Contributions

- Thermodynamics of spinel LiTiO_2 from first principles

NameStrings: Wagemaker, M.1 Van Der Ven, A. Morgan, D. Ceder, G. Mulder, F.M. Kearley, G.J.

Source: Chemical Physics 317(2-3), 130-6.

Year: 2005

physics
citation

Keywords

Generalized Gradient Approximation Monte Carlo methods thermodynamic properties Monte Carlo simulation cluster expansion Crystal structure chemical potential electrochemical electrodes ground states lithium compounds pseudopotential methods secondary cells solid solutions LiTiO_2 spinel thermodynamics first principles study structural properties cluster expansion method pseudopotential ground state energy calculations GGA configurational thermodynamics Li configuration insertion potential Li composition two-phase region crystallographic site occupation unit cell dimension change X-ray diffraction experiment neutron diffraction experiment LiTiO_2 solid solution behavior Li extraction potential step calculation Co spinel Mn-spinel electrode material battery material 300 K LiTiO_2

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ADMIN::Contributions

- 'Infidel'

NameStrings: **Morgan,D.**

Source: Tis-the Times Literary Supplement (5427), 33-33.

Year: 2007

humanities
citation

Keywords

Humanities, Multidisciplinary

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25

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our algorithm
falsely suggests
Dane D Morgan may
have written this...
it's not perfect

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Science
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really David O Morgan
wrote this paper

ADMIN::Contributions

- Eurasian transformations, tenth to thirteenth centuries: Crystallizations, divergences, renaissances.

NameString: Morgan, D.

Source: Speculum-J.Mediev.Stud. 82(1), 158-159.

Year: 2007

humanities
citation

Keywords

Medieval & Renaissance Studies

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50

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David O Morgan
floats to top

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- Famous tatars (Central Asia)

NameStrings: Morgan,D.

Source: Tis-the Times Literary Supplement (5324), 15-15.

Year: 2005

humanities
citation

Keywords

Humanities, Multidisciplinary

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- Tamerlane: Sword of Islam, conqueror of the world
NameString: Morgan,D.
Source: Tis-the Times Literary Supplement (5313), 6-7.
Year: 2005

humanities
citation

Keywords

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