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Materials Science and Engineering  Assistant Professor
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Who I'm Publishing With At UW

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2  Xiaochun Li
1  David Anderson
1  Joseph Talmadge
1  Daniel Vanderweide
1  James Smith

Groups
18  College of Engineering
18  Materials Science and Engineering
2  Mechanical Engineering
1  Electrical and Computer Engineering

Popular research topics:

4  humanities multidisciplinary
3  electrochemistry
2  materials science coatings films
2  noise
2  microstrip detectors
2  binary readout
2  electronics
2  instruments instrumentation
2  understanding technology
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Citation Types

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2 electronics
2 instruments instrumentation
1 mechanical technology
Dane D Morgan
Engineering

David O Morgan
History
Author Disambiguation
**Physics Citation**

- **Ab initio study of the composition dependence of the pressure-induced spin crossover in perovskite (Mg1-x,Fex)SiO3**
- **NameStrings:** Bengtson, A.1 Persson, K. Morgan, D.
- **Year:** 2008

**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 ferropericlase
- iron structural environment
- Local Density Approximation
- Generalized Gradient Approximation
- exchange-correlation methods
- spin crossover MgFeSiO3

**Two Potential Authors at UW-Madison**

- **Dane D Morgan**
  - College of Engineering
  - Engineering Physics

- **David O Morgan**
  - College of Letters and Science
  - History

**Certainty Begins at Zero**

- **Certainty:** 0
- 1 possible
- 2 candidates

**Verify Correct Author**

- **Certainty:** 0
- 1 possible
- 2 candidates

Ab initio study of oxygen-vacancy ordering in oxygen conducting Ba2In2O5
NameStrings: Yueh-Lin Lee, Morgan, D.
Source: Unknown, 71-6.
Year: 2006

certainty begins to climb

Dane D Morgan
Groups
• College of Engineering
• Engineering Physics

Certainty
1
1 possible
2 candidates
Verify | Deny

David O Morgan
Groups
• College of Letters and Science
• History

Certainty
0
1 possible
2 candidates
Verify | Deny

physics citation
verify correct author
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<th>Morgan, D., Ceder, G., Curtarolo, S.</th>
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<td>Source</td>
<td>Measurement Science &amp; Technology 16(1), 296-301.</td>
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**Keywords:**
- ab initio calculations
- chemistry computing
- computational complexity
- data mining physics computing
- very large databases
- high-throughput computation
- robust methods
- computational screening
- crystal structure prediction
- iterative algorithm
- computational speed
- large databases

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<td>College of Letters and Science, History</td>
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</tbody>
</table>

**Certainty climbing**

**Verify correct author**
Thermodynamics of spinel Li_xTiO_2 from first principles

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

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

Year: 2005

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Certainty: 29
1 possible
2 candidates

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humanities citation

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

really David O Morgan wrote this paper
Eurasian transformations, tenth to thirteenth centuries: Crystallizations, divergences, renaissances.
NameString: Morgan, D.
Source: Speculum-J. Mediev. Stud. 82(1), 158-159.
Year: 2007

David O Morgan
Groups
- College of Letters and Science
- History
Certainty
50
1 possible
2 candidates
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Dane D Morgan
Groups
- College of Engineering
- Engineering Physics
Certainty
25
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