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**Advances In  
Chemical  
Physics Vol  
128**

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Population  
analysis in  
plane wave  
electronic  
structure.

Chemical Physics  
Recent Advances

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and Applications  
of. Nucleation  
in Polymer  
Crystallization  
Advances in.  
Professor Denis  
J Evans

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Researchers ANU.

Advances in  
chemical physics

Vol 128 Book

2004. Angela

Belcher MIT

DMSE. Tip

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enhanced  
ablation and  
ionization mass  
spectrometry  
for. IMD A  
Software Package  
for Molecular

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Dynamics Studies  
on. Publications  
Lou Group Rice  
University. John  
Wheeler's H bomb  
blues Physics  
Today Vol 72 No

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12. Chemical  
Engineering  
Science Journal  
Elsevier. Atomic  
layer deposition  
of Al<sub>2</sub>O<sub>3</sub> thin  
films using.

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Physics Mobile  
Friendly. SN2  
reaction  
profiles in the  
gas phase and  
aqueous. Journal  
of the American

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Chemical Society  
List of issues.  
Geophysical  
Monograph  
Series. Advances  
in Chemical  
Physics Volume

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128 Edited by  
Stuart A.  
Chemical and  
physical origins  
of Science  
Advances.  
Chemical Physics

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Advances and  
frontiers in  
chemical.  
Journal of  
Physics  
Conference  
Series

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IOPscience.  
Advances in  
mechanical  
detection of  
magnetic  
resonance.

Japanese Journal

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of Applied  
Physics  
IOPscience.  
Journal List  
Fermilab  
Library.  
American Journal

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of Physics Vol  
87 No 12.

Advances in  
chemical physics  
Vol 128 eBook  
2003. Chemical  
Physics Letters

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Journal  
Elsevier. Health  
and Energy  
Research Group  
Physics  
Department at.  
Daniel Cotton

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School of  
Physics. P T PAR  
ITYVIOLATIONEFFE  
CTS INPOLARHEAVY  
ATOM MOLECULES.

Aerospace Free  
Full Text

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Special Issue  
?Advances in.  
Chinese Journal  
of Chemical  
Physics. Vol 2.  
Reliable  
acoustic path

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and convergence  
zone bottom.

Laser induced  
Fluorescence and  
Dispersed  
Fluorescence.  
Optimization

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methods for  
finding minimum  
energy paths

The. A  
hierarchical  
equation of  
motion based

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semiclassical.  
QUANTUM GRAVITY  
AND MINIMUM  
LENGTH  
International  
Journal.  
Nicholas Besley

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The University  
of Nottingham.  
Understanding  
the role of  
direction in  
thrust and  
in?the.

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Scitation Home.  
The Journal of  
Chemical Physics  
Vol 128 No 5.  
Effects of An  
Intrinsic Metric  
of Molecular

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Internal Space.  
Computational  
Physics Group.  
Tetsu Uesaka  
Miun. Advances  
in Polymer  
Science.

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Principles of  
Physics Vol I  
Foundations of  
Mechanics.

Applied Physics  
Mitsubishi  
Electric

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Research  
Laboratories.

Does a group  
velocity larger  
than  $c$  violate  
relativity.

Review of

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chemical kinetic  
problems of  
future NASA.

Group of  
Theoretical  
Chemical Physics  
Carlos Alberto

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Population  
analysis in  
plane wave  
electronic  
structure  
December 2nd,  
2010 - Plane

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wave basis sets  
are widely used  
in ab initio  
electronic  
structure  
calculations  
even though such

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an expansion in  
terms of  
extended states  
does not provide  
a natural way of  
quantifying  
local atomic

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properties To  
overcome this  
deficiency we  
have implemented  
a scheme for  
projection of  
plane wave

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states onto a  
localised basis  
set This'

' Chemical  
Physics Recent  
Advances and

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Applications of  
November 3rd,  
2019 - Read the  
latest articles  
of Chemical  
Physics at  
ScienceDirect

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issue Next vol  
issue Actions  
for selected  
articles select  
article Special  
issue of

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Chemical Physics  
on recent  
advances and  
applications of  
relativistic  
quantum  
chemistry [https](https://)'

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'Nucleation in  
Polymer  
Crystallization  
Advances in  
December 6th,  
2019 - The

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modern  
availability of  
sensitive  
experimental  
techniques using  
synchrotron  
radiation and

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atomic force  
microscopy and  
fast computers  
for molecular  
modeling has  
spurred recent  
intense interest

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in following the  
mechanism of  
polymer  
crystallization'  
'Professor Denis  
J Evans  
Researchers ANU

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December 24th,  
2019 - Evans D  
Searles D amp  
Williams S 2008  
On the  
fluctuation  
theorem for the

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dissipation  
function and its  
connection with  
response theory  
Journal of  
Chemical Physics  
vol 128 no 1 pp

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014504 1

6 ' 'Advances in  
chemical physics

Vol 128 Book

2004

November 29th,  
2019 - Part of

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the series which  
provides the  
chemical physics  
field with a  
forum for  
critical  
authoritative

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evaluations of  
advances in each  
area of the  
discipline This  
work continues  
to report  
advances with

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significant  
chapters by  
internationally  
recognized  
researchers'

'*Angela Belcher*  
*MIT DMSE*

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*December 24th,  
2019 - Angela  
Belcher  
presenting at  
17th Annual  
Summer Symposium  
May 21 2018*

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*Angela Belcher  
is presenting on  
June 15 2018 at  
MIT's Koch  
Institute for  
Integrative  
Cancer Research*

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*which is  
presenting its  
17th annual  
Summer Symposium  
Breakthrough  
Cancer*

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'Tip enhanced  
ablation and  
ionization mass

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spectrometry for  
March 3rd, 2019  
- Spectroscopic  
methods with  
nanoscale  
lateral  
resolution are

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becoming  
essential in the  
fields of  
physics  
chemistry  
geology biology  
and materials

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science However  
the lateral  
resolution of  
laser based mass  
spectrometry  
imaging MSI  
techniques has

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so far been  
limited to the  
microscale This  
report presents  
the development  
of tip enhanced  
' *IMD A Software*

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***Package for  
Molecular  
Dynamics Studies  
on***

*December 22nd,  
2019 - We report  
on*

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*implementation  
and performance  
of the program  
IMD designed for  
short range  
molecular  
dynamics*

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*simulations on  
massively  
parallel  
computers After  
a short  
explanation of  
the cell based'*

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' Publications  
Lou Group Rice  
University  
December 24th,  
2019 - Refereed  
Journal Papers  
Editorials and

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Comments Book

Chapters

Conference

Proceedings

Patents

Conference

Presentations

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and Extended  
Abstracts'

'John Wheeler's  
H bomb blues  
Physics Today  
Vol 72 No 12  
December 27th,

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2019 - C Hansen  
The Swords of  
Armageddon U S  
Nuclear Weapons  
Development  
Since 1945 vol 2  
2nd ed Chukelea

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2007 p II 112

The H bomb lobby  
appeared to have  
won for the  
moment But the  
win came at a  
cost an

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increasingly  
bitter  
disagreement  
within the  
physics  
community'

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' Chemical  
Engineering  
Science Journal  
Elsevier  
December 27th,  
2019 - Chemical  
Engineering

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Science has an  
open access  
mirror Chemical  
Engineering  
Science X  
sharing the same  
aims and scope

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editorial team  
submission  
system and  
rigorous peer  
review Chemical  
Engineering  
Science CES has

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been publishing  
papers on the  
fundamentals of  
chemical  
engineering  
since  
1951 ' ' Atomic

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**layer deposition  
of Al<sub>2</sub>O<sub>3</sub> thin  
films using**

December 14th,  
2019 -

Dimethylaluminum  
isopropoxide

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DMAI CH 3 2

ALOCH CH 3 2 a

precursor

originally

developed for

the metalorganic

chemical vapor

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deposition of  
alumina was  
adopted as a new  
precursor for  
growing aluminum  
oxide thin films  
on HF treated Si

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001 substrates  
by atomic layer  
deposition ALD'  
**'Physics Mobile  
Friendly  
December 26th,  
2019 - You will**

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then have a good  
background to  
learn about  
physics We won't  
repeat material  
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moved to our new

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physics links  
page Be sure to  
check them out  
as there is much  
to be learned  
there also ' 'SN2  
reaction

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**profiles in the  
gas phase and  
aqueous**

April 30th, 2002  
- Article Views  
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compliant sum of

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individuals

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are regularly  
updated to  
reflect usage  
leading up to  
the last few

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days Citations  
are the number  
of other  
articles citing  
this' '**Journal of  
the American  
Chemical Society**

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## **List of issues**

November 25th,  
2019 - Journal  
of the American  
Chemical Society  
Electronic  
Structure of the

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Mn<sub>4</sub>O<sub>x</sub>Ca Cluster  
in the S<sub>0</sub> and S<sub>2</sub>  
States of the  
Oxygen Evolving  
Complex of  
Photosystem II  
Based on Pulse

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55Mn ENDOR and  
EPR Spectroscopy  
ACS Catalysis  
December 6 2006  
Vol 128 Issue 48  
pp 15354 15548 '  
**'Geophysical**

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**Monograph Series**

December 26th,

2019 - Vol 58

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Magnetic Flux

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Climate

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Variability in  
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Americas Vol 54  
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Plasma Physics  
Vol 53 Plasma

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Waves and  
Instabilities at  
Comets and in  
Magnetospheres'  
**'Advances in  
Chemical Physics  
Volume 128**

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Edited by Stuart  
A

December 16th,  
2019 - Advances  
in Chemical  
Physics Volume  
128 Edited by

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Stuart A Rice  
University of  
Chicago John  
Wiley amp Sons  
Inc Hoboken NJ  
2004 x 384 pp  
175 00'

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***' Chemical and  
physical origins  
of Science  
Advances***

*August 9th, 2019  
- The findings*

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*provide insight  
into the  
chemical and  
topographic  
origins of  
friction and  
suggest means of*

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*tuning surfaces  
by leveraging  
competing*

*Science Advances*

*09 Aug 2019 Vol*

*5 no 8 eaaw0513*

*DOI 10 1126 The*

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*lateral force  
during the trace  
and retrace  
along the same  
line was  
recorded and  
averaged over*

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*128 cycles at  
each'*

**'Chemical  
Physics Advances  
and frontiers in  
chemical  
October 13th,**

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2019 - Chemical  
Physics Supports  
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spectroscopy

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with neutrons

Edited by Craig

M Volume 427

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for' '***Journal of***

***Physics***

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***IOPscience***

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2019 - If you  
would like more  
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regarding*

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*Journal of  
Physics  
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Series please  
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*for conference  
organizers'*

***'Advances in  
mechanical  
detection of  
magnetic***

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**resonance**

*December 24th,  
2019 - Kuehn S  
Hickman SA amp  
Marohn JA 2008  
Advances in  
mechanical*

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*detection of  
magnetic  
resonance*

*Journal of  
Chemical Physics  
vol 128 no 5  
052208'*

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**' Japanese  
Journal of  
Applied Physics  
IOPscience**  
October 4th,  
2018 - The Japan

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Society of  
Applied Physics  
JSAP serves as  
an academic  
interface  
between science  
and engineering

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and an  
interactive  
platform for  
academia and the  
industry JSAP is  
a conduit for  
the transfer of

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fundamental  
concepts to the  
industry for  
development and  
technological  
applications  
JSAP was'

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'Journal List  
Fermilab Library  
December 24th,  
2019 - Title New  
Journal of  
Physics Online

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**Access 1998**  
**current Vol 1**  
**Publisher**  
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**Institute of**  
**Physics**  
**Publishing**

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Deutsche  
Physikalische  
Gesellschaft  
through SCOAP<sup>3</sup>  
Sponsoring  
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**Publishing in  
Particle  
Physics'**

**' American  
Journal of  
Physics Vol 87**

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Society in  
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'Advances in

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chemical physics

Vol 128 eBook

2003

December 17th,

2019 - Part of

the series which

provides the

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chemical physics  
field with a  
forum for  
critical  
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evaluations of  
advances in each

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area of the  
discipline This  
work continues  
to report  
advances with  
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chapters by

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internationally  
recognized  
researchers'

' Chemical  
Physics Letters  
Journal Elsevier  
December 20th,

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2015 - Chemical  
Physics Letters  
has an open  
access mirror  
journal Chemical  
Physics Letters  
X sharing the

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same aims and  
scope editorial  
team submission  
system and  
rigorous peer  
review Chemical  
Physics Letters

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publishes brief  
reports on  
molecules  
interfaces  
condensed phases  
nanomaterials  
and

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**nanostructures  
polymers  
biomolecular  
systems and  
energy  
conversion and  
storage '**

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'Health and  
Energy Research  
Group Physics  
Department at  
December 21st,  
2019 - A

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Ziashahabi R  
Poursalehi N  
Naseri Formation  
mechanism of  
bead chain like  
ZnO  
nanostructures

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from oriented  
attachment of Zn  
ZnO  
nanocomposites  
prepared via DC  
arc discharge in  
liquid Materials

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Science in  
Semiconductor  
Processing Vol  
72 2017 128 133 '  
*Daniel Cotton*  
*School of*  
*Physics*

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December 15th,  
2019 - Daniel V  
Cotton Jeremy  
Bailey and  
Lucyna Kedziora  
Chudczer  
?Atmospheric

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*Modelling for  
the Removal of  
Telluric  
Features from  
Infrared  
Planetary  
Spectra ?*

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*Monthly Notices  
of the Royal  
Astronomical  
Society doi 10  
1093 mnras  
stt2465 2014'*

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' P T PARITYVIOLA  
TIONEFFECTS  
INPOLARHEAVY  
ATOM MOLECULES  
November 8th,  
2019 - Recent  
Advances in the

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Theory of  
Chemical and  
DEMILLE D 2006 P  
T PARITYVIOLATIO  
NEFFECTS  
INPOLARHEAVY  
ATOM MOLECULES

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In JULIEN JP  
MARUANI J MAYOU  
D WILSON S  
DELGADO BARRIO G  
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Advances in the  
Theory of

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Chemical and  
Physical Systems  
Progress in  
Theoretical  
Chemistry and  
Physics vol 15  
Springer

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Dordrecht DOI '  
' Aerospace Free  
Full Text  
Special Issue  
?Advances in  
November 20th,  
2019 - Note In

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abstract this is  
an excerpt from  
the first page  
Hybrid rockets  
are chemical  
propulsion

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systems that in  
the most common  
configuration  
employ a liquid  
oxidizer or  
gaseous in much  
rarer cases and

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a solid fuel the  
oxidizer stored  
in tanks is  
properly  
injected in the '  
' Chinese Journal  
of Chemical

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Physics

December 26th,

2019 - CJCP19101

79Photodissociat

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OCS near 128 nm

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S CJCP1905091

Advances in

Enhanced

Sampling

Molecular

Dynamics

Simulations for

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**Biomolecules  
Editorial Office  
Chinese Journal  
of Chemical  
Physics  
University of  
Science and**

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**Technology of  
China 96 JinZhai  
Road Hefei Anhui  
Province'**

**'Vol 2**

*December 7th,  
2019 - oretical*

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*Chemistry and  
Physics Vol 19  
Advances in the  
Theory of Atomic  
and Molecular  
Systems  
Conceptual and*

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*Computational  
Advances in  
Quantum  
Chemistry edited  
by P Piecuch J  
Maruani G  
Delgado Barrio*

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*and S Wilson'*

***'Reliable***

***acoustic path***

***and convergence***

***zone bottom***

*December 27th,*

*2019 - One of*

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*the objectives  
of the  
Philippine Sea  
09 PhilSea09 was  
to examine the  
multipath  
structure of RAP*

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*propagation at  
the seafloor For  
a source near  
the surface a  
receiver at the  
seafloor and  
ranges*

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*approaching  
one?half a CZ  
one expects a  
direct path  
seafloor  
reflected and  
refracted paths*

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*plus water  
column*

*multiples* ' **Laser  
induced  
Fluorescence and  
Dispersed  
Fluorescence**

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December 26th,  
2019 - The laser  
induced  
fluorescence  
excitation  
spectra of jet  
cooled NiB

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radicals have  
been recorded in  
the energy range  
of 19000-22100  
cm<sup>-1</sup>. Eleven  
bands have been  
assigned to the

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20 77 2? X2?

transition

system for the

first time The

dispersed

fluorescence

spectra related

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to most of these  
bands have been  
investigated  
Vibrationally  
excited'

' Optimization

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**methods for  
finding minimum  
energy paths** The  
October 17th,  
2019 - A  
comparison of  
chain of states

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based methods  
for finding  
minimum energy  
pathways MEPs is  
presented In  
each method a  
set of images

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along an initial  
pathway between  
two local minima  
is relaxed to  
find a MEP'

***'A hierarchical  
equation of***

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***motion based  
semiclassical***

*December 27th,*

*2019 - Hefei*

*National*

*Laboratory for*

*Physical*

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*Sciences at the  
Microscale and  
Department of  
Chemical Physics  
and Synergetic  
Innovation  
Center of*

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*Quantum  
Information and  
Quantum Physics  
and  
Collaborative  
Innovation  
Center of*

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*Chemistry for  
Energy Materials  
iChEM University  
of Science and  
Technology of  
China Hefei  
230026 China'*

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' QUANTUM GRAVITY  
AND MINIMUM  
LENGTH

International  
Journal

July 5th, 2019 -

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The existence of  
a fundamental  
scale a lower  
bound to any  
output of a  
position  
measurement

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seems to be a  
model

independent

feature of

quantum gravity

In fact

different

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approaches to  
this theory'

*'Nicholas Besley*  
*The University*  
*of Nottingham*

*December 27th,*  
*2019 - Dr Nick*

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*Besley gained a  
B Sc degree in  
Chemical Physics  
at the  
University of  
Sussex in 1994  
He obtained a Ph*

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*D in 1997 from  
the University  
of Birmingham  
under the  
supervision of  
Professor Peter  
Knowles for the*

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*study of Coupled  
Cluster*

*Theory' '*

***Understanding  
the role of  
direction in  
thrust and***

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***in? the***

*December 14th,  
2019 -*

*Successful room  
acoustic designs  
for spoken?word  
drama theater*

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*provide both  
speech clarity  
and effective  
localization to  
all the  
listening  
patrons While*

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*clarity relies  
primarily on the  
timing level and  
frequency of  
early  
reflections  
between the*

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*actors and  
patrons  
effective  
localization  
especially with  
multiple actors  
speaking adds'*

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**'Scitation Home**

*December 26th,*

*2019 - AIP*

*Publishing's*

*portfolio*

*comprises 19*

*highly regarded*

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*peer reviewed  
journals  
including the  
flagship  
journals Applied  
Physics Letters  
Journal of*

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*Applied Physics  
and The Journal  
of Chemical  
Physics in  
addition to the  
AIP Conference  
Proceedings'*

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**'The Journal of  
Chemical Physics  
Vol 128 No 5  
October 1st,  
2019 - This  
option allows**

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by Publication  
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*publication in  
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*Selecting this  
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across the*

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