

2018

Fragment motion in motor molecules: basic concepts and application to intra-molecular rotations

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#### APA Citation

Hermann, K., Qi, F., Zhao, R., Zhang, R., & Van Hove, M. (2018). Fragment motion in motor molecules: basic concepts and application to intra-molecular rotations. *Physical Chemistry Chemical Physics*, 20 (33), 21487-21497. <https://doi.org/10.1039/C8CP03076F>

## Michel A. VAN HOVE: Publication List

### Notation:

red = important (e.g. letter, book, review,  $\geq 50$ ,  $\geq 100$ ,  $\geq 150$ ,  $\geq 200$  citations, impact factor  $IF > 4$ , important subject);

(464) = file number;

### SPECIAL PUBLICATION TYPE;

*title of publication;*

**P312**[nr] = regular or proceedings article, or letter [nr = non-refereed];

**R58**[nr] = review paper or book chapter [nr = non-refereed];

**B11** = book, monograph, database;

**E8** = edited proceedings volume;

**A61** = published abstract (<1997);

**O3** = report or other;

### authors;

journal or book,

bibliographic details;

date = publication date;

[URL] = source on web;

[PDF] = have PDF file;

(LBNL number);

{n cites RID/CRS/ORCID} = ISI citations by 2012/01/22 (RID = from My ResearcherID; CRS = Cited Reference Search; ORCID from HKBU);

{IF x} = ISI journal impact factor (see table of IFs following pub. list);

(arXiv:...) = arXiv version

<my affil'ns / sources / nn / HKBU-IR> = my affiliation(s) from 2012 / cited funding sources / HK classification (11 = book, 12 = book chapter, 14 = edited book, 21 = ref. pub., 31 = inv. proc. paper, 32 = ref. proc. paper, 33 = other conf. pres., 64 = other) / HKBU-IR = e-print in HKBU Institutional Repository (only from 2004)

### 1969

(1) **DEGREE PROJECT:** *Einiges zum Problem der Beziehung Energiespektrum-Potential bei einer periodischen Schrödingergleichung*

**O1 M.A. Van Hove**

June 1969 (Zürich).

[no PDF] {0 cites}

### 1971

(2) *Heat Exchange in Liquid Helium by Phonon Tunneling Through Very Thin Plates*

**P1 H. Haug, K. Weiss, and M. Van Hove**

*J. of Low Temperature Physics* **4**, 263-271 (1971).

Mar. 1971 [<http://dx.doi.org/10.1007/BF00629713>] [PDF] {0 cites} {IF 1.021}

(3) *Theory of Radiative Heat Transfer between Closely Spaced Bodies*

**P2 D. Polder and M. Van Hove**

*Phys. Rev. B* **4**, 3303-3314 (1971).

15 Nov. 1971 [<http://dx.doi.org/10.1103/PhysRevB.4.3303>] [PDF] {**182 cites** RID, then **270 cites** 3.5mo later 2014/10/31, **408 cites** Google Scholar 2014/10/31: 39 in 2014, 49/2013, 41/2012, 47/2011, 31/2010, 33/2009, 29/2008, 27/2007, 16/2006, 17/2005, 6/2004, 15/2003, 6/2002, 11/2001, 4/2000, ..., **357 cites** ORCID 4/2016} {IF 3.736}

### 1973

(4) **LETTER:** *Determination of Atomic Positions in the  $c(2 \times 2)$  Oxygen Structure on a Nickel (100) Surface by a Dynamical Low Energy Electron Diffraction Method*

**P3 S. Andersson, B. Kasemo, J.B. Pendry and M.A. Van Hove**

*Phys. Rev. Lett.* **31**, 595-598 (1973).

27 Aug. 1973 [<http://dx.doi.org/10.1103/PhysRevLett.31.595>] [PDF] {**85 cites** ORCID, **71 cites** Google Scholar 2014/10/31} {IF 7.512}

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**1974**

- (5) **Ph.D. THESIS:** *Surface Structure from Low Energy Electron Diffraction*  
**O2 M.A. Van Hove**  
Univ. of Cambridge, England, March 1974.  
[no PDF] {0 cites}

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**1975**

- (6) *Chemisorption Bond Lengths of Chalcogen Overlayers at a Low Coverage by Convergent Perturbation Methods*  
**P4 M. Van Hove and S.Y. Tong**  
*J. Vac. Sci. Technol.* **12**, 230-233 (1975).  
Jan. 1975 [<http://dx.doi.org/10.1116/1.568721>] [PDF] {**172 cites** ORCID} {IF 2.322 JVSTA}
- (7) *The Potential Profile in LEED Theory*  
**P5 M.A. Van Hove**  
*Surf. Sci.* **48**, 406-416 (1975).  
2 Mar. 1975 [[http://dx.doi.org/10.1016/0039-6028\(75\)90415-X](http://dx.doi.org/10.1016/0039-6028(75)90415-X)] [no PDF] {7 cites ORCID} {IF 1.925}
- (8) *Analysis of Dynamical Low Energy Electron Diffraction Mechanisms*  
**P6 M.A. Van Hove**  
*Surf. Sci.* **49**, 181-188 (1975).  
1 Apr. 1975 [[http://dx.doi.org/10.1016/0039-6028\(75\)90335-0](http://dx.doi.org/10.1016/0039-6028(75)90335-0)] [no PDF] {5 cites ORCID} {IF 1.925}
- (9) *Dynamical Low Energy Electron Diffraction Methods*  
**P7 M.A. Van Hove and J.B. Pendry**  
*J. Phys. C* **8**, 1362-1370 (1975).  
7 May 1975 [<http://dx.doi.org/10.1088/0022-3719/8/9/007>] [PDF] {27 cites ORCID} {IF 2.346 JPCM}
- (10) **ABSTRACT:** *Surface Structure Analysis by LEED of W(100) and W(110) Surfaces*  
**A1 M. Van Hove, S.Y. Tong and N.L. Stoner**  
*Bull. Am. Phys. Soc.* **20**, 388 (1975).  
Mar. 1975 [<http://www.aps.org/meetings/baps/index.cfm>] [no PDF] {3 cites} {no IF}
- (11) **ABSTRACT:** *Surface Structure Determination of the Layered Compounds MoS<sub>2</sub> and NbSe<sub>2</sub> by LEED*  
**A2 B.J. Mrstik, R. Kaplan, T.L. Reinecke, S.Y. Tong and M.A. Van Hove**  
*Bull. Am. Phys. Soc.* **20**, 406 (1975).  
Mar. 1975 [<http://www.aps.org/meetings/baps/index.cfm>] [no PDF] {2 cites} {no IF}
- (12) **LETTER:** *Chemisorption Bond Length and Binding Location of Oxygen in a p(2x1) Overlayer on W(110) Using a Convergent, Perturbative Low-Energy-Electron-Diffraction Calculation*  
**P8 M.A. Van Hove and S.Y. Tong**  
*Phys. Rev. Lett.* **35**, 1092-1095 (1975).  
20 Oct. 1975 [<http://dx.doi.org/10.1103/PhysRevLett.35.1092>] [PDF] {**101 cites** ORCID} {IF 7.512}
- (13) *Possible Ni(001) Surface Expansion Due to Carbon Chemisorption Predicted by LEED Calculations*  
**P9 M.A. Van Hove and S.Y. Tong**  
*Surf. Sci.* **52**, 673-676 (1975).  
Nov. 1975 [[http://dx.doi.org/10.1016/0039-6028\(75\)90097-7](http://dx.doi.org/10.1016/0039-6028(75)90097-7)] [no PDF] {18 cites ORCID} {IF 1.925}

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**1976**

- (14) *Surface Structure Determination of the Layered Compounds MoS<sub>2</sub> and NbSe<sub>2</sub> by the Dynamical LEED Approach*  
**P10 S.Y. Tong, M. Van Hove, B.J. Mrstik, R. Kaplan and T. Reinecke**  
*J. Vac. Sci. Technol.* **13**, 188 (1976).  
Jan. 1976 [<http://dx.doi.org/10.1116/1.568822>] [PDF] {2 cites ORCID} {IF 2.322 JVSTA}
- (15) *Surface Structures of W(110) and W(100) Faces by the Dynamical LEED Approach*  
**P11 M.A. Van Hove and S.Y. Tong**

*Surf. Sci.* **54**, 91-100 (1976).  
Jan. 1976 [[http://dx.doi.org/10.1016/0039-6028\(76\)90090-X](http://dx.doi.org/10.1016/0039-6028(76)90090-X)] [no PDF] {99 cites ORCID} {IF 1.925}

(16) *Perturbation Calculations of the c(2x2) Sodium Overlayer Structure on Al(001)*

**P12 M. Van Hove, S.Y. Tong and N. Stoner**

*Surf. Sci.* **54**, 259-268 (1976).  
Feb. 1976 [[http://dx.doi.org/10.1016/0039-6028\(76\)90224-7](http://dx.doi.org/10.1016/0039-6028(76)90224-7)] [no PDF] {56 cites ORCID} {IF 1.925}

(17) *Layer Iteration Calculation of Angle-Resolved Ultraviolet Photoemission: c(2x2) Oxygen Overlayer on Ni(001)*

**P13 S.Y. Tong and M.A. Van Hove**

*Sol. St. Commun.* **19**, 543-546 (1976).  
July 1976 [[http://dx.doi.org/10.1016/0038-1098\(76\)90062-4](http://dx.doi.org/10.1016/0038-1098(76)90062-4)] [no PDF] {31 cites ORCID} {IF 1.897}

(18) **ABSTRACT:** *LEED Studies of the Reconstructed Si(100)(2x1) Surface*

**A3 M.A. Van Hove and S.Y. Tong**

*Bull. Am. Phys. Soc.* **21**, 320 (1976).  
Mar. 1976 [<http://www.aps.org/meetings/baps/index.cfm>] [no PDF] {0 cites} {no IF}

(19) **ABSTRACT:** *Angle Resolved Photoemission from Clean Surfaces and from c(2x2) Chemisorbed Overlayers*

**A4 S.Y. Tong and M.A. Van Hove**

*Bull. Am. Phys. Soc.* **21**, 431 (1976).  
Mar. 1976 [<http://www.aps.org/meetings/baps/index.cfm>] [no PDF] {1 cites} {no IF}

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**1977**

(20) *Surface Structure Determination of the Layered Compounds MoS<sub>2</sub> and NbSe<sub>2</sub> by Low Energy Electron Diffraction*

**P14 B.J. Mrstik, R. Kaplan, T.L. Reinecke, M. Van Hove and S.Y. Tong**

*Phys. Rev. B* **15**, 897-900 (1977).  
15 Jan. 1977 [<http://dx.doi.org/10.1103/PhysRevB.15.897>] [PDF] {40 cites ORCID} {IF 3.736}

(21) *Surface Contraction of the Clean W(001) Face*

**P15 B.W. Lee, A. Ignatiev, S.Y. Tong and M. Van Hove**

*J. Vac. Sci. Technol.* **14**, 291-293 (1977).  
Jan. 1977 [<http://dx.doi.org/10.1116/1.569143>] [PDF] {57 cites ORCID} {IF 2.322 JVSTA}

(22) *Surface Structure Refinements of 2H-MoS<sub>2</sub>, 2H-NbSe<sub>2</sub>, and W(110)p(2x1)O Via New Reliability Factors for Surface Crystallography*

**P16 M.A. Van Hove, S.Y. Tong and M.H. Elconin**

*Surf. Sci.* **64**, 85-95 (1977).  
Apr. 1977 [[http://dx.doi.org/10.1016/0039-6028\(77\)90259-X](http://dx.doi.org/10.1016/0039-6028(77)90259-X)] [no PDF] {182 cites ORCID} {IF 1.925}

(23) *Analysis of the Structure of the Iridium (111) Surface by Low Energy Electron Diffraction*

**P17 C.-M. Chan, S.L. Cunningham, M.A. Van Hove, W.H. Weinberg and S.P. Withrow**

*Surf. Sci.* **66**, 394-404 (1977).  
Sep. 1977 [[http://dx.doi.org/10.1016/0039-6028\(77\)90027-9](http://dx.doi.org/10.1016/0039-6028(77)90027-9)] [no PDF] {29 cites ORCID} {IF 1.925}

(24) *Determination of the Surface Structure of Layered Compounds by Low Energy Electron Diffraction*

**P18 B.J. Mrstik, R. Kaplan, T.L. Reinecke, M. Van Hove and S.Y. Tong**

*Nuovo Cimento* **38B**, 387-395 (1977).  
1977 [<http://www.eurphysj.org/>] [no PDF] {18 cites ORCID} {IF 0.225 2013}

(25) **ABSTRACT:** *The Combined Space Method - A Unified Computation Scheme of Low Energy Electron Diffraction*

**A5 S.Y. Tong and M.A. Van Hove**

*Bull. Am. Phys. Soc.* **22**, 356 (1977).  
Mar. 1977 [<http://www.aps.org/meetings/baps/index.cfm>] [no PDF] {0 cites} {no IF}

(26) **ABSTRACT:** *Surface Structures of Clean and As-Covered GaAs(100) and GaAs(110)*

**A6 B.J. Mrstik, M.A. Van Hove and S.Y. Tong**

*Bull. Am. Phys. Soc.* **22**, 356 (1977).

- Mar. 1977 [<http://www.aps.org/meetings/baps/index.cfm>] [no PDF] {0 cites} {no IF}
- (27) **ABSTRACT:** *Analysis of Atomic Locations by LEED for a Submonolayer of Dissociated Hydrogen on a Ni(111) Surface*  
**A7 M.A. Van Hove, G. Ertl, W.H. Weinberg, K. Christmann and R.J. Behm**  
Bull. Am. Phys. Soc. **22**, 356 (1977).  
 Mar. 1977 [<http://www.aps.org/meetings/baps/index.cfm>] [no PDF] {0 cites} {no IF}
- (28) **ABSTRACT:** *Determination of Surface Relaxation of fcc Metals by LEED*  
**A8 C.-M. Chan, S.L. Cunningham, M.A. Van Hove, W.H. Weinberg and S.P. Withrow**  
Bull. Am. Phys. Soc. **22**, 357 (1977).  
 Mar. 1977 [<http://www.aps.org/meetings/baps/index.cfm>] [no PDF] {1 cites} {no IF}
- (29) **ABSTRACT:** *LEED Study of the Surface Structures of Cobalt Above and Below the Martensitic Transition Temperature*  
**A9 B.W. Lee, R. Alsens, A. Ignatiev and M.A. Van Hove**  
Bull. Am. Phys. Soc. **22**, 357 (1977).  
 Mar. 1977 [<http://www.aps.org/meetings/baps/index.cfm>] [no PDF] {2 cites} {no IF}
- (30) *Unified Computation Scheme of Low Energy Electron Diffraction - Combined Space Method*  
**P19 S.Y. Tong and M.A. Van Hove**  
Phys. Rev. B **16**, 1459-1467 (1977).  
 15 Aug. 1977 [<http://dx.doi.org/10.1103/PhysRevB.16.1459>] [PDF] {62 cites ORCID} {IF 3.736}
- (31) **REVIEW:** *Computation Methods of LEED Intensity Spectra*  
**R1 N. Stoner, M.A. Van Hove and S.Y. Tong**  
 in Characterization of Metal and Polymer Surfaces, Vol. 1: Metal Surfaces, Ed. L.-H. Lee, Academic Press (New York) 1977, pp. 299-345.  
 [no URL] [no PDF] {0 cites} {no IF} ISBN 0-12-442101-6
- (32) *Surface Relaxation of Ni(110), Al(110) and Ag(110) Determined by the Convolution Transform Method*  
**P20 C.-M. Chan, S.L. Cunningham, M.A. Van Hove and W.H. Weinberg**  
Surf. Sci. **67**, 1-9 (1977).  
 1 Oct. 1977 [[http://dx.doi.org/10.1016/0039-6028\(77\)90366-1](http://dx.doi.org/10.1016/0039-6028(77)90366-1)] [no PDF] {22 cites ORCID} {IF 1.925}
- (33) *The Surface Structure of Epitaxially Grown Cobalt Oxide Films*  
**P21 A. Ignatiev, B.W. Lee and M.A. Van Hove**  
 in Proc. 7th IVC & 3rd ICSS, Eds. R. Dobrozemsky, F. Rüdener and F.P. Viehböck (Vienna, 1977), pp. 1733-1736.  
 [no URL] [no PDF] {0 cites} {no IF}
- (34) *Surface Structures of As-Covered GaAs(100) and GaAs(110) via the Quasi-dynamical Method*  
**P22 S.Y. Tong, M.A. Van Hove and B.J. Mrstik**  
 in Proc. 7th IVC & 3rd ICSS, Eds. R. Dobrozemsky, F. Rüdener and F.P. Viehböck (Vienna, 1977) pp. 2407-2409.  
 [no URL] [no PDF] {0 cites} {no IF}
- (35) *Analysis of Atomic Locations by LEED for a Submonolayer of Dissociated Hydrogen on a Ni(111) Surface*  
**P23 M.A. Van Hove, G. Ertl, W.H. Weinberg, K. Christmann and R.J. Behm**  
 in Proc. 7th IVC & 3rd ICSS, Eds. R. Dobrozemsky, F. Rüdener and F.P. Viehböck (Vienna, 1977) pp.2415-2418.  
 [no URL] [no PDF] {7 cites} {no IF}
- (36) *LEED Observations of the State of the Surface of Martensitically Transforming Cobalt*  
**P24 A. Ignatiev, R. Alsens, B.W. Lee and M.A. Van Hove**  
 in Proc. 7th IVC & 3rd ICSS, Eds. R. Dobrozemsky, F. Rüdener and F.P. Viehböck (Vienna, 1977) pp. 2435-2438.  
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1978

- (37) *The State of the Surface of Martensitically Transforming Cobalt Single Crystals*  
**P25** R. Alsenz, B.W. Lee, A. Ignatiev and M.A. Van Hove  
Sol. St. Commun. **25**, 641-644 (1978).  
Mar. 1978 [[http://dx.doi.org/10.1016/0038-1098\(78\)90780-9](http://dx.doi.org/10.1016/0038-1098(78)90780-9)] [no PDF] {12 cites ORCID} {IF 1.897}
- (38) *Surface Structures of the Two Allotropic Phases of Cobalt*  
**P26** B.W. Lee, R. Alsenz, A. Ignatiev and M.A. Van Hove  
Phys. Rev. B **17**, 1510-1520 (1978).  
15 Feb. 1978 [<http://dx.doi.org/10.1103/PhysRevB.17.1510>] [PDF] {54 cites ORCID} {IF 3.736}
- (39) *Surface Bond Angle and Bond Lengths of Rearranged As and Ga Atoms on GaAs(110)*  
**P27** S.Y. Tong, A.R. Lubinsky, B.J. Mrstik and M.A. Van Hove  
Phys. Rev. B **17**, 3303-3309 (1978).  
15 Apr. 1978 [<http://dx.doi.org/10.1103/PhysRevB.17.3303>] [PDF] {171 cites ORCID} {IF 3.736}
- (40) **LETTER:** *Dynamical Calculations of Low Energy Electron Diffraction for Incommensurate Lattice Structures - Xe on Ag(111)*  
**P28** N. Stoner, M.A. Van Hove, S.Y. Tong and M.B. Webb  
Phys. Rev. Lett. **40**, 243-246 (1978).  
23 Jan. 1978 [<http://dx.doi.org/10.1103/PhysRevLett.40.243>] [PDF] {37 cites ORCID} {IF 7.512}
- (41) **ABSTRACT:** *The Surface Structure of p(1x1)H/W(100)*  
**A10** A. Ignatiev, B.W. Lee and M.A. Van Hove  
Bull. Am. Phys. Soc. **23**, 391 (1978).  
Mar. 1978 [<http://www.aps.org/meetings/baps/index.cfm>] [no PDF] {1 cites} {no IF}
- (42) **ABSTRACT:** *Surface Structures of As Terminated GaAs(100) Surfaces and As Covered GaAs(110)*  
**A11** B.J. Mrstik, M.A. Van Hove and S.Y. Tong  
Bull. Am. Phys. Soc. **23**, 390 (1978).  
Mar. 1978 [<http://www.aps.org/meetings/baps/index.cfm>] [no PDF] {3 cites} {no IF}
- (43) *Investigations of Some Models of the (2x1) Surface Structure of Si(100) with Quasi-dynamical Calculations of LEED Intensities*  
**P29** K.A.R. Mitchell and M.A. Van Hove  
Surf. Sci. **75**, L147-L154 (1978).  
1 July 1978 [[http://dx.doi.org/10.1016/0039-6028\(78\)90059-6](http://dx.doi.org/10.1016/0039-6028(78)90059-6)] [no PDF] {13 cites ORCID} {IF 1.925}
- (44) *The Structure of the c(2x2) Oxygen Overlayer on the Unreconstructed (110) Surface of Iridium*  
**P30** C.-M. Chan, K.L. Luke, M.A. Van Hove, W.H. Weinberg and S.P. Withrow  
Surf. Sci. **78**, 386-396 (1978).  
1 Dec. 1978 [[http://dx.doi.org/10.1016/0039-6028\(78\)90087-0](http://dx.doi.org/10.1016/0039-6028(78)90087-0)] [no PDF] {34 cites ORCID} {IF 1.925}
- (45) *Geometry of Hydrogen Chemisorption on Ni(111) Analyzed by Low Energy Electron Diffraction*  
**P31** M.A. Van Hove, G. Ertl, K. Christmann, R.J. Behm and W.H. Weinberg  
Sol. St. Commun. **28**, 373-376 (1978).  
Nov. 1978 [[http://dx.doi.org/10.1016/0038-1098\(78\)90415-5](http://dx.doi.org/10.1016/0038-1098(78)90415-5)] [no PDF] {38 cites ORCID} {IF 1.897}
- (45a) **ABSTRACT:** *Progress in Surface Crystallography*  
**A12** M.A. Van Hove  
Nederlands Tijdschrift voor Vacuumtechniek **16**, 20-21 (1978).  
[no URL] [no PDF] {0 cites} {no IF}

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1979

- (46) **REVIEW:** *Surface Crystallography and Bonding*  
**R2** M.A. Van Hove

in *The Nature of the Surface Chemical Bond*, Eds. T.N. Rhodin and G. Ertl, North-Holland (Amsterdam) 1979, pp. 275-311.  
[<http://www.elsevier.com/wps/find/bookdescription.librarians/501685/description#description>]  
[no PDF] {85 cites CRS} {no IF}

(47) **BOOK:** *Surface Crystallography by Low Energy Electron Diffraction: Theory, Computation and Structural Results*  
**B1** **M.A. Van Hove and S.Y. Tong**

Springer-Verlag (Berlin, Heidelberg, New York) 1979.  
ISBN 3-540-09194-7 & 0-387-09194-7 & 978-3-642-67197-5 (Springer Book Archives)  
[no URL] [no PDF] {727 cites CRS} {no IF}

(48) **REVIEW:** *Progress in Surface Crystallography*

**R3** **M.A. Van Hove**

invited lecture at 1st European Conference on Surface Science, Amsterdam (June, 1978)  
*Surf. Sci.* **80**, 1-7 (1979).  
1 Feb. 1979 [[http://dx.doi.org/10.1016/0039-6028\(79\)90657-5](http://dx.doi.org/10.1016/0039-6028(79)90657-5)] [no PDF] {19 cites ORCID} {IF 1.925}

(49) *Structural Study of the Reconstructed Ir(110)-(1x2) Surface by Low-Energy Electron Diffraction*

**P32** **C.-M. Chan, M.A. Van Hove, W.H. Weinberg and E.D. Williams**

*Sol. St. Commun.* **30**, 47-49 (1979).  
Apr. 1979 [[http://dx.doi.org/10.1016/0038-1098\(79\)91130-X](http://dx.doi.org/10.1016/0038-1098(79)91130-X)] [no PDF] {47 cites ORCID} {IF 1.897}

(50) **LETTER:** *On Layer Spacing Relaxations at Surfaces of Ionic Crystals*

**P33** **M.A. Van Hove and P.M. Echenique**

*Surf. Sci. Lett.* **82**, L298-L300 (1979).  
2 Mar. 1979 [[http://dx.doi.org/10.1016/0039-6028\(79\)90338-8](http://dx.doi.org/10.1016/0039-6028(79)90338-8)] [no PDF] {20 cites ORCID} {IF 1.925}

(51) **REVIEW:** *Estructuras Atómicas de Superficies Cristalinas [Atomic Structure of Crystalline Surfaces]*

**R4** **P.M. Echenique y M.A. Van Hove**

*Investigación y Ciencia*, (Spanish edition of Scientific American) No. **31**, pp. 28-38, April 1979.  
[<http://www.investigacionyciencia.es/articulos.asp?prod=31&art=2&listaDeBusqueda=>] [no PDF] {2 cites} {no IF}

(52) *Structural Determination of the Unreconstructed and the Reconstructed (110) Surfaces of Iridium*

**P34** **C.-M. Chan, K.L. Luke, M.A. Van Hove, W.H. Weinberg and E.D. Williams**

*J. Vac. Sci. Technol.* **16**, 642-645 (1979).  
Mar. 1979 [<http://dx.doi.org/10.1116/1.570042>] [PDF] {25 cites ORCID} {IF 2.322 JVSTA}

(53) *Chemisorption Geometry of Hydrogen on Ni(111): Order and Disorder*

**P35** **K. Christmann, R.J. Behm, G. Ertl, M.A. Van Hove and W.H. Weinberg**

*J. Chem. Phys.* **70**, 4168-4184 (1979).  
1 May 1979 [<http://dx.doi.org/10.1063/1.438041>] [PDF] {410 cites RID} {IF 2.952}

(54) *Atomic Structure of Clean and Arsenic Covered GaAs(110) Surfaces*

**P36** **B.J. Mrstik, S.Y. Tong and M.A. Van Hove**

*J. Vac. Sci. Technol.* **16**, 1258-1261 (1979).  
Sep. 1979 [<http://dx.doi.org/10.1116/1.570137>] [PDF] {19 cites ORCID} {IF 2.322 JVSTA}

(55) **ABSTRACT:** *The Structure of Ir(100)(5x1) Analyzed by Dynamical LEED*

**A13** **M.A. Van Hove, R.J. Koestner and G.A. Somorjai**

*Bull. Am. Phys. Soc.* **24**, 468 (1979).  
Mar. 1979 [<http://www.aps.org/meetings/baps/index.cfm>] [no PDF] {0 cites} {no IF}

(56) **ABSTRACT:** *The Surface Structures of Pt(111) and (110)*

**A14** **D.L. Adams, H.B. Nielsen and M.A. Van Hove**

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**P70** **J.P. Bibérian and M.A. Van Hove**

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- R10** **M.A. Van Hove**  
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(420) *Structural Analysis and Electronic Properties of Negatively Charged TCNQ: 2D Networks of (TCNQ)<sub>2</sub>Mn Assembled on Cu(100)*

**P280** X.Q. Shi, C.S. Lin, C. Minot, T.-C. Tseng, S.L. Tait, N. Lin, R.Q. Zhang, K. Kern, J.I. Cerdá, and M.A. Van Hove

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(421) **LETTER:** *Manipulating Localized Molecular Orbitals by Single-Atom Contacts*

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**P289 X.Q. Shi, M.A. Van Hove and R.Q. Zhang**  
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- (449) *Novel genetic algorithm search procedure for LEED surface structure determination*  
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- (452) *Revealing Highly Unbalanced Energy Barriers in Extension and Contraction of the Muscle-like Motion of a [c2]Daisy Chain*
- P308** Y.L. Zhao, R.Q. Zhang, C. Minot, K. Hermann and M.A. Van Hove  
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- (458) *Origin of the Contrast Interpreted as Intermolecular and Intramolecular Bonds in Atomic Force Microscopy Images*
- P309** C.S. Guo, X.J. Xin, M.A. Van Hove, X.-G. Ren and Y. Zhao  
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- (459) *Enhancement of spin polarization induced by Coulomb on-site repulsion between localized p<sub>z</sub> electrons in graphene embedded with line defects*
- P310** J.C. Ren, Z.G. Wang, R.Q. Zhang, Z.J. Ding and M.A. Van Hove  
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(450) *Computational Prediction of Optimal Metal Ions to Induce Coordinated Polymerization of Muscle-Like [c2]Daisy Chains*

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(462) *Manipulating Magnetism at Organic/Ferromagnetic Interfaces by Fullerene-Induced Surface Reconstruction*

**P312** R. Pang, X.Q. Shi and M.A. Van Hove

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(arXiv:1507.08378) <HKBU / HKBU SDF; RGC & HKBU HPCCC / 21 / HKBU-IR>

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to be published

(457) ?? *Inhomogeneous Phase Stabilized by Competing Interactions: Submonolayer of Br Adatom on a Cu(111) Surface*

**PXXX** ?? T. Lin, Y.L. Zhao, S. Wang, S. Chen, L. Dong, M.A. Van Hove, and N. Lin

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(460) ?? *Metal-Molecule Assemblies as Sensitive Probes of Coordination and Acceptor/Donor Properties of Aromatic Molecules Adsorbed on Cu(111) Surfaces*

**PXXX** ?? Y.L. Zhao, W.H. Wang, F. Qi, J.F. Li, R.Q. Zhang, N. Lin and M.A. Van Hove

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(461) ?? *Observation and Analysis of Ordered and Disordered Structures on the ZnO(0001) Surface*

**PXXX** ?? H. Xu, L. Dong, X.Q. Shi, M.A. Van Hove, N. Lin and S.Y. Tong

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(463) ?? *Exploring Molecules Beyond CO as Tip Functionalizations In High-Resolution Non-Contact Atomic Force Microscopy*

**PXXX** ?? X.J. Xin, C.S. Guo, L.Y. Gan, M.A. Van Hove, X.G. Ren and Y. Zhao

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(464) ?? *Intramolecular Torque, an Indicator of the Internal Rotation Direction of a Molecular Rotor*

**PXXX** ?? R.Q. Zhang, Y.L. Zhao, F. Qi, K. Hermann and M.A. Van Hove

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(465) ?? *Title*

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