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операторы AND, OR, NOT для изменения связей между полями поиска

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Поиск может быть выполнен по параметрам Topic, Title, Author, Publication Name, DOI ...

Example: oil spill* mediterranean

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Simulation of the formation of vacancies upon scanning of Cu(100) surface

Author(s): Kolesnikov, SV (Kolesnikov, S. V.)¹; Klavsyuk, AL (Klavsyuk, A. L.)¹; Saletsky, AM (Saletsky, A. M.)¹

Source: JETP LETTERS **Volume:** 89 **Issue:** 9 **Pages:** 471-474 **DOI:** 10.1134/S0021364009090100 **Published:** JUL 2009

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Abstract: The main mechanisms of the formation of vacancies in the first layer of Cu(100) surface have been investigated by the molecular dynamics method. It has been shown that the interaction of the tip of a scanning tunneling microscope with the surface can increase the intensity of the formation of surface vacancies by a factor of 10(3)-10(5). On the basis of the reported investigations, an effective method has been proposed for controlling the vacancy concentration in the first layer of Cu(100) surface, which does not imply a change in the temperature of the system.

Accession Number: WOS:000267897000010

Document Type: Article

Language: English

KeyWords Plus: DIFFUSION; GROWTH; ATOMS

Reprint Address: Kolesnikov, SV (reprint author), Moscow MV Lomonosov State Univ, Moscow 119899, Russia.

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E-mail Address: kolesnikov_s_v@mail.ru

Publisher: MAIK NAUKA/INTERPERIODICA/SPRINGER, 233 SPRING ST, NEW YORK, NY 10013-1578

Web of Science Categories: Physics, Multidisciplinary

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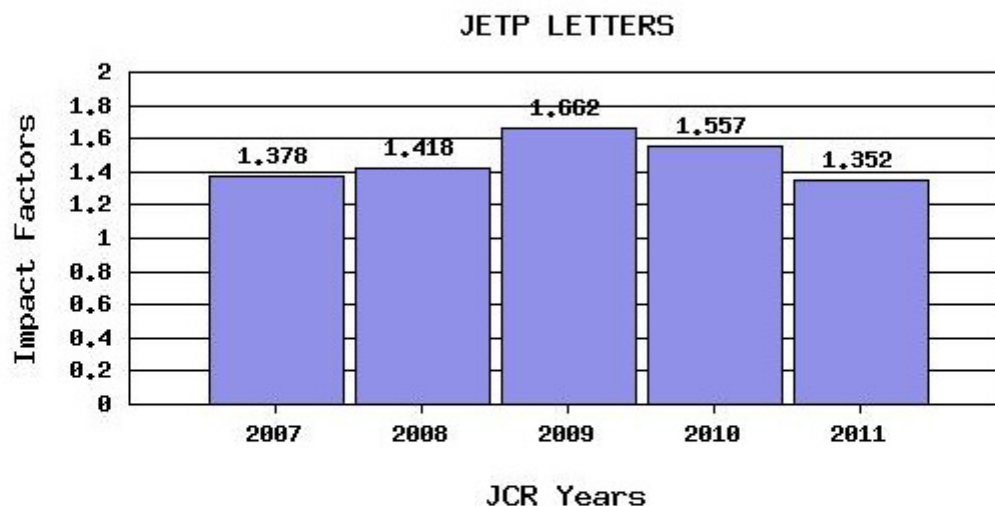
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Calculation: $\frac{\text{Cites to recent articles}}{\text{Number of recent articles}} = \frac{768}{568} = 1.352$

2010 Impact Factor

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Author(s): Klavsyuk, AL; Stepanyuk, VS; Hergert, W; et al.
Source: SURFACE SCIENCE Volume: 566 Pages: 944-948 DOI: 10.1016/j.susc.2004.06.032 Part: Part 2
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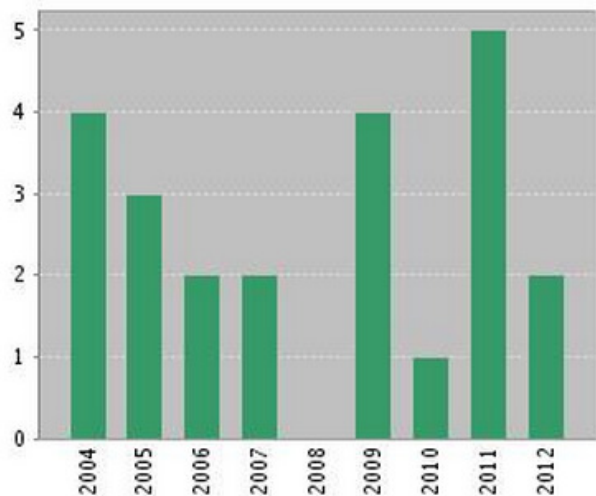
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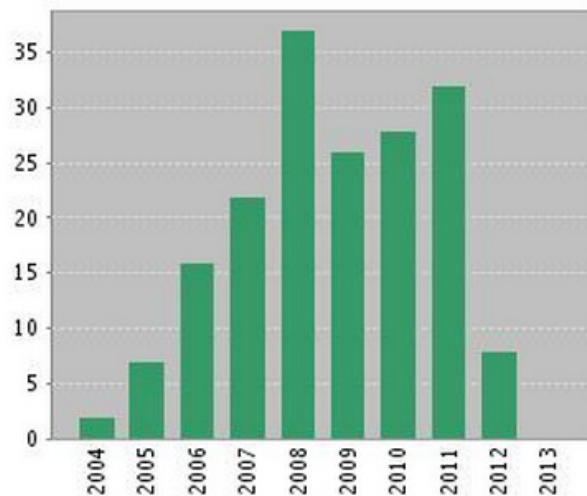
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