

Ondrej L. Krivanek – Publications

Total number of publication in WOS: **160**

Total number of citations: **7 609**

h-index: **42**

10 most cited papers as of 2 February 2021:

Krivanek, O. L., Chisholm, M. F., Nicolosi, V., Pennycook, T. J., Corbin, G. J., Dellby, N., Murfitt, M. F., Own, C. S., Szilagy, Z. S., Oxley, M. P., Pantelides, S. T. and Pennycook, S. J. (2010) Atom-by-atom structural and chemical analysis by annular dark-field electron microscopy. <i>Nature</i> , 464, 571-574.	760
Batson, P. E., Dellby, N. and Krivanek, O. L. (2002) Sub-angstrom resolution using aberration corrected electron optics. <i>Nature</i> , 418, 617-620.	610
Goodnick, S. M., Ferry, D. K., Wilmsen, C. W., Liliental, Z., Fathy, D. and Krivanek, O. L. (1985) SURFACE-ROUGHNESS AT THE Si(100)-SiO ₂ INTERFACE. <i>Physical Review B</i> , 32, 8171-8186.	464
Krivanek, O. L., Dellby, N. and Lupini, A. R. (1999) Towards sub-angstrom electron beams. <i>Ultramicroscopy</i> , 78, 1-11.	423
Muller, D. A., Kourkoutis, L. F., Murfitt, M., Song, J. H., Hwang, H. Y., Silcox, J., Dellby, N. and Krivanek, O. L. (2008) Atomic-scale chemical imaging of composition and bonding by aberration-corrected microscopy. <i>Science</i> , 319, 1073-1076.	413
Nellist, P. D., Chisholm, M. F., Dellby, N., Krivanek, O. L., Murfitt, M. F., Szilagy, Z. S., Lupini, A. R., Borisevich, A., Sides, W. H. and Pennycook, S. J. (2004) Direct sub-angstrom imaging of a crystal lattice. <i>Science</i> , 305, 1741-1741.	368
Krivanek, O. L., Lovejoy, T. C., Dellby, N., Aoki, T., Carpenter, R. W., Rez, P., Soignard, E., Zhu, J. T., Batson, P. E., Lagos, M. J., Egerton, R. F. and Crozier, P. A. (2014) Vibrational spectroscopy in the electron microscope. <i>Nature</i> , 514, 209-+.	247
Varela, M., Findlay, S. D., Lupini, A. R., Christen, H. M., Borisevich, A. Y., Dellby, N., Krivanek, O. L., Nellist, P. D., Oxley, M. P., Allen, L. J. and Pennycook, S. J. (2004) Spectroscopic imaging of single atoms within a bulk solid. <i>Physical Review Letters</i> , 92, 4.	219
Krivanek, O. L., Corbin, G. J., Dellby, N., Elston, B. F., Keyse, R. J., Murfitt, M. F., Own, C. S., Szilagy, Z. S. and Woodruff, J. W. (2008) An electron microscope for the aberration-corrected era. <i>Ultramicroscopy</i> , 108, 179-195.	217
Paterson, J. H. and Krivanek, O. L. (1990) ELNES OF 3D TRANSITION-METAL OXIDES .2. VARIATIONS WITH OXIDATION-STATE AND CRYSTAL-STRUCTURE. <i>Ultramicroscopy</i> , 32, 319-325.	190