



**Publication list of our people which were cited 100 and more times
(as of March 25th 2013)**

Wlodawer, A., Miller, M., **Jaskolski, M.**, Sathyanarayana, B.K., Baldwin, E., Weber, I.T., Selk, L.M., Clawson L.

Crystal Structure of a Synthetic HIV-1 Protease Proves Conserved Fold in Retroviral Proteases

(1989) *Science*, 245 (4918), pp. 616-621.

Cited at least 916 times (Scopus: 495 / Web of Science: 916)

Marciniec, B., Gulinski, J., Urbaniak, W., Kornetka, Z.W.

(1992) *Comprehensive Handbook on Hydrosilylation*.

Pergamon Press Oxford

Cited at least 581 times. (Scopus: 557 / -)

Nawrocki, J.

The silanol group and its role in liquid chromatography

(1997) *Journal of Chromatography A*, 779 (1-2), pp. 29-71.

Cited at least 411 times (Scopus: 411 / Web of Science: 407)

Kasprzyk-Hordern, B., Ziolk, M., Nawrocki J.

Catalytic Ozonation and methods of enhancing molecular ozone reactions in water treatment

(2003) *Applied Catalysis B: Environmental*, 46 (4), pp. 639-669.

Cited at least 336 times (Scopus: 336 / Web of Science: 305)

M. Miller, **M. Jaskolski**, J.K. Mohana Rao, J. Leis, A. Wlodawer

Crystal structure of a retroviral protease proves relationship to aspartic protease family

(1989) *Nature*, 337, 576-579.

Cited at least 299 times (Scopus: 122 / Web of Science: 299)

Katritzky, A.R., **Barczynski, P.**, Musumarra, G., Pisano, D., **Szafran, M.**

Aromaticity as a quantitative concept. 1. A statistical demonstration of the orthogonality of "classical" and "magnetic" aromaticity in five- and six-membered heterocycles

(1989) *Journal of the American Chemical Society*, 111 (1), pp. 7-15.

Cited at least 291 times (Scopus: 224 / Web of Science: 291)

Chrzanowska, M., Rozwadowska, M.D.

Asymmetric synthesis of isoquinoline alkaloids

(2004) *Chemical Reviews*, 104 (7), pp. 3341-3370.

Cited at least 283 times (Scopus: 283 / Web of Science: 283)

Nawrocki, J., Rigney, M., McCormick, A., Carr, P.W.,

Chemistry of Zirconia and Its Use in Chromatography

(1993) *Journal of Chromatography*, 657, p. 229.

Cited at least 265 times (Scopus: 246 / Web of Science: 265)



Nowak, I., Ziolk, M.

Niobium Compounds: Preparation, Characterization, and Application in Heterogeneous Catalysis

(1999) *Chemical Reviews*, 99 (12), pp. 3603-3624.

Cited at least 250 times (Scopus: 250 / Web of Science: 247)

Kacprzak, K., Gawronski, J.

Cinchona alkaloids and their derivatives: Versatile catalysts and ligands in asymmetric synthesis

(2001) *Synthesis*, (7), pp. 961-998.

Cited at least 244 times (Scopus: 244 / Web of Science: 231)

Buono-Core, G.E., Li, H., **Marciniak, B.**

Quenching of excited states by lanthanide ions and chelates in solution

(1990) *Coordination Chemistry Reviews*, 99, pp. 55-87.

Cited at least 233 times (Scopus: 202 / Web of Science: 233)

Janowski, R., Kozak, M., Jankowska, E., Grzonka, Z., Grubb, A., Abrahamson, M., Jaskolski, M.

Human cystatin C, an amyloidogenic protein, dimerizes through three-dimensional domain swapping

(2001) *Nature Structural Biology*, 8 (4), pp. 316-320.

Cited at least 228 times (Scopus: 221 / Web of Science: 228)

Mohr, P., Waespe-Sarčević N., Tamm, Ch., **Gawrońska, K., Gawroński, J.K.**

A Study of Stereoselective Hydrolysis of Symmetrical Diesters with Pig Liver Esterase

(1983) *Helvetica Chimica Acta*, 66, 2501.

Cited at least 219 times (Scopus: 61 / Web of Science: 219)

Nowakowska, Z.

A review of anti-infective and anti-inflammatory chalcones

(2007) *European Journal of Medicinal Chemistry*, 42 (2), pp. 125-137.

Cited at least 215 times (Scopus: 215 / Web of Science: 199)

Jaskolski, M., Tomasselli, A.G., Sawyer, T.K., Staples, D.G., Heinrikson, R.L., Schneider, J., Kent, S.B.H., Wlodawer, A.

Structure at 2.5-Å resolution of chemically synthesized human immunodeficiency virus type 1 protease complexed with a hydroxyethylene-based inhibitor

(1991) *Biochemistry*, 30 (6), pp. 1600-1609.

Cited at least 211 times (Scopus: 121 / Web of Science: 211)

Nawrocki, J., Dunlap, C., McCormick, A., Carr, P.W.

Part I. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC

(2004) *Journal of Chromatography A*, 1028 (1), pp. 1-30.

Cited at least 194 times (Scopus: 183 / Web of Science: 194)



Maciejewski, A., Steer, R.P.

The photophysics, physical photochemistry, and related spectroscopy of thiocarbonyls
(1993) Chemical Reviews, 93 (1), pp. 67-98.

Cited at least 178 times (Scopus: 161 / Web of Science: 178)

Elbanowski, M., Makowska, B.

The lanthanides as luminescent probes in investigations of biochemical systems
(1996) Journal of Photochemistry and Photobiology A: Chemistry, 99 (2-3), pp. 85-92.

Cited at least 177 times (Scopus: 170 / Web of Science: 177)

Bujacz, G., **Jaskolski, M.**, Alexandratos, J., Wlodawer, A., Merkel, G., Katz, R.A., Skalka, A.M.

High-resolution structure of the catalytic domain of avian sarcoma virus integrase

(1995) Journal of Molecular Biology, 253 (2), pp. 333-346.

Cited at least 173 times (Scopus: 167 / Web of Science: 173)

Dolbier Jr., W.R., **Koroniak, H.**, Houk, K.N., Sheu, C.

Electronic Control of Stereoselectivities of Electrocyclic Reactions of Cyclobutenes: A Triumph of Theory in the Prediction of Organic Reactions

(1996) Accounts of Chemical Research, 29 (10), pp. 471-477.

Cited at least 156 times (Scopus: 156 / Web of Science: 152)

Bujacz, G., **Jaskolski, M.**, Alexandratos, J., Wlodawer, A., Merkel, G., Katz, R.A., Skalka, A.M.

The catalytic domain of avian sarcoma virus integrase: Conformation of the active-site residues in the presence of divalent cations

(1996) Structure, 4 (1), pp. 89-96.

Cited at least 154 times (Scopus: 139 / Web of Science: 154)

Nawrocki, J., Buszewski, B.

Influence of Silica Surface Chemistry and Structure on Properties, Structure and Coverage of Alkyl Bonded Phases for HPLC.

(1988) Journal of Chromatography 449, 1.

Cited at least 152 times (Scopus: 80 / Web of Science: 152)

Rozwadowska, M.D.

Recent progress in the enantioselective synthesis of isoquinoline alkaloids

(1994) Heterocycles, 39 (2), pp. 903-931.

Cited at least 150 times (Scopus: 150 / Web of Science: 142)

Ziolek, M.

Niobium-containing catalysts - The state of the art

(2003) Catalysis Today, 78 (1-4 SPEC.), pp. 47-64.

Cited at least 149 times (Scopus: 145 / Web of Science: 149)

Szafran, M., Karelson, M.M., Katritzky, A.R., **Koput, J.**, Zerner, M.C.

Reconsideration of solvent effects calculated by semiempirical quantum chemical methods
(1993) Journal of Computational Chemistry 14, 371-377.

Cited at least 148 times (Scopus: 127 / Web of Science: 148) ,



Nawrocki, J.

Silica Surface Controversies, Strong Adsorption Sites, Their Blockage and Removal. Part I.

(1991) *Chromatographia* 31, 177.

Cited at least 140 times (Scopus: 99 / Web of Science: 140)

Marciniec, B., Maciejewski, H., Pietraszuk, C., Pawluć, P.

(2009) *Hydrosilylation: A Comprehensive Review on Recent Advances*

Springer

Cited at least 139 times. (Scopus: 101 / -)

Weber, I.T., Miller, M., **Jaskolski, M.**, Leis, J., Skalka, A.M., Wlodawer, A. (1989),

Molecular Modeling of the HIV-1 Protease and Its Substrate Binding Site

(1989) *Science*, 243, 928-931.

Cited at least 135 times (Scopus: - / Web of Science: 135)

Kleperis, J., Wojcik, G., Czerwinski, A., Skowronski, J., Kopczyk, M., **Beltowska-**

Brzezinska, M.

Electrochemical behavior of metal hydrides

(2001) *Journal of Solid State Electrochemistry*, 5 (4), pp. 229-249.

Cited at least 135 times (Scopus: 128 / Web of Science: 135)

Cencek, W., Rychlewski, J., Jaquet, R., Kutzelnigg, W.

Sub-microhartree accuracy potential energy surface for H₃⁺ including adiabatic and relativistic effects. I. Calculation of the potential points

(1998) *Journal of Chemical Physics*, 108, 2831-2836.

Cited at least 124 times (Scopus: 120 / Web of Science: 124)

Swain, A.L., **Jaskolski, M.**, Housset, D., Rao, J.K.M., Wlodawer, A.

Crystal structure of Escherichia coli L-asparaginase, an enzyme used in cancer therapy

(1993) *Proceedings of the National Academy of Sciences of the United States of America*, 90 (4), pp. 1474-1478.

Cited at least 122 times (Scopus: 117 / Web of Science: 122)

Kasprzyk-Hordern, B.

Chemistry of alumina, reactions in aqueous solution and its application in water treatment

(2004) *Advances in Colloid and Interface Science*, 110 (1-2), pp. 19-48.

Cited at least 120 times (Scopus: 120 / Web of Science: 102)

Kłonkowski, A.M., **Lis, S.**, Pietraszkiewicz, M., **Hnatejko, Z.**, Czarnobaj, K., **Elbanowski, M.**

Luminescence properties of materials with Eu(III) complexes: Role of ligand, coligand, anion, and matrix

(2003) *Chemistry of Materials*, 15 (3), pp. 656-663.

Cited at least 117 times (Scopus: 117 / Web of Science: 108)



Radecka-Paryzek, W., Patroniak, V., Lisowski, J.

Metal complexes of polyaza and polyoxaaza Schiff base macrocycles
(2005) *Coordination Chemistry Reviews*, 249 (21-22), pp. 2156-2175.

Cited at least 117 times (Scopus: 117 / Web of Science: 105)

Marciniec, B.

Catalysis by transition metal complexes of alkene silylation – Recent progress and mechanistic implications

(2005) *Coordination Chemistry Reviews*, 249 (21-22), pp. 2374-2390.

Cited at least 116 times (Scopus: 115 / Web of Science: 116)

Nawrocki, J., Dunlap, C., Li, J., Zhao, J., McNeff, C.V., McCormick, A., Carr, P.W.

Part II. Chromatography using ultra-stable metal oxide-based stationary phases for HPLC
(2004) *Journal of Chromatography A*, 1028 (1), pp. 31-62.

Cited at least 115 times (Scopus: 110 / Web of Science: 115)

Koput, J.

On the r_0^* structure and the torsional potential function of hydrogen peroxide

(1986) *Journal of Molecular Spectroscopy* 115, 438-441.

Cited at least 115 times (Scopus: 78 / Web of Science: 115)

Kolos, W., Rychlewski, J.

Ab Initio potential energy curves and vibrational levels for c, l, and i states of hydrogen molecule

(1977) *J. Mol. Spectrosc.*, 66, 428-440.

Cited at least 114 times (Scopus: 1 / Web of Science 114)

Radecka-Paryzek, W.

Magnesium(II) and zinc(II) complexes containing a 14-membered hexaaza macrocyclic ligand

(1979) *Inorganica Chimica Acta*, 34, 5-8.

Cited at least 112 times (Scopus: 74 times / Web of Science: 112)

Lis, S., Elbanowski, M., Makowska, B., Hnatejko, Z.

Energy transfer in solution of lanthanide complexes

(2002) *Journal of Photochemistry and Photobiology A: Chemistry*, 150 (1-3), pp. 233-247.

Cited at least 107 times (Scopus: 107 / Web of Science: 100)

Katrusiak, A., Szafranski, M.

Ferroelectricity in NH ... N Hydrogen Bonded Crystals

(1999) *Physical Review Letters*, 82, 576-579.

Cited at least 101 times (Scopus 101 / Web of Science 101)

Swietlik, J., Dabrowska, A., Raczyk-Stanislawiak, U., Nawrocki, J.

Reactivity of natural organic matter fractions with chlorine dioxide and ozone

(2004) *Water Research* 38(3), 547-558.

Cited at least 100 times (Scopus: 100 / Web of Science: 98)



Norde, W., MacRitchie, F., **Nowicka G.**, Lyklema J.
Protein adsorption at solid-liquid interfaces. Reversibility and conformation aspects.
(1986) *Journal of Colloid and Interface Science*, 112(2), pp. 447-456
Cited at least 209 times (Scopus: 121/ Web of Science: 209)