

R. WESSEL, D. SCHWARZ

Die Anwendung des Kleinrechnersystems KRS 4200 zur Spektrenerfassung und -analyse in der ESR-Spektroskopie (Application of the small computer system KRS 4200 to acquisition and analysis of spectra in ESR spectroscopy)

I. Erfassung, Ausgabe über x-y-Schreiber und/oder Lochbandstanzer, Nulllinienkorrektur, Glättung (I. Acquisition, output, base line correction, smoothing)

Experim. Technik Physik 23, 641-650 (1975).

D. SCHWARZ, R. WESSEL Die Anwendung des Kleinrechnersystems II. Absorption und zweifache Integration, Computer-Subtraktion (II. Absorption, double integration, computer subtraction)

Experim. Technik Physik 24, 531-539 (1976).

R. WESSEL, D. SCHWARZ Die Anwendung des Kleinrechnersystems III. Akkumulation, Linien-Intensitäten-Aufspaltungskonstanten (III. Accumulation, line intensities, splitting constants)

Experim. Technik Physik 26, 195-202 (1978).

R. WESSEL, D. SCHWARZ Die Anwendung des Kleinrechnersystems V. Erfassung und Verarbeitung von kinetischen ESR-Daten (Zeitaufgelöste ESR) (V. Acquisition and analysis of kinetical ESR data (time resolved ESR))

Experim. Technik Physik 28, 549-555 (1980).

Pleissner, K.-P., Wessel, R.: Elementare Bildpunktoperationen und Bildwiedergabe mit dem System BAG1- KRS4200.

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Wessel, R., Müller, E.-Ch., Lucius, H., Pleissner, K.-P., Kröber, R.: Application of a microcomputer in wide angle X-ray scattering.

Computer Physics Communications 26,209-211(1982)

Müller, E.-Ch., Wessel, R., Lucius, H., Pleissner, K.-P.: Mikrorechnersteuerung eines Röntgen-Diffraktometers für die Untersuchung von Proben in Transmission.

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Pleissner, K.-P., Wessel, R., Knespel, A., Meissner, F., Behlke, J.:
Rechnergestützte Auswertung von Meßkurven der analytischen Ultrazentrifuge zur Bestimmung von Sedimentationskoeffizienten, deren Verteilungen und Molmassen.

Exp. Technik der Physik 34, 139-145 (1986)

LASSMANN, R. WESSEL, P. GRASSHOFF, C. JACOBS, D. SCHWARZ Einsatz des Arbeitsplatzrechners A 7100 zur Rationalisierung der Forschung in spektroskopischen Laboren - On line Kopplung am Beispiel von EPR-Spektrometern und Grafik-Software zur Erfassung bzw. Verarbeitung spektroskopischer Daten

Exp. Techn. Physik 38, 249-258 (1990).

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a-branched 1,2-diacyl phosphatidylcholines as effectors of activity of cytochrome P450_{scc} (CYP11A1) - Modeling the structure of the fatty acyl chain region of cardiolipin

J. Biol. Chem. 271, 12840-12846 (1996).

D. SCHWARZ, P. KISSELEV, R. WESSEL, S. PISCH, U. BORNSCHEUER, R.D. SCHMID
Possible involvement of nonbilayer lipids in the stimulation of activity of cytochrome P450_{SCC} (CYP11A1) and its propensity to induce vesicle aggregation

Chem. Phys. Lipids 85, 91-99 (1997).

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Role of nonbilayer lipids in functions of cytochrome P450_{SCC} (CYP11A1) studied in lipid vesicles

Biochemistry 36, 14262-14270 (1997).

P. KISSELEV, R. WESSEL, S. PISCH, U. BORNSCHEUER, R.D. SCHMID, D. SCHWARZ
Branched phosphatidylcholines stimulate activity of cytochrome P450SCC
(CYP11A1) in phospholipid vesicles by enhancing cholesterol binding,
membrane incorporation, and protein exchange
J. Biol. Chem. 273, 1380-1386 (1998).

IR -spectroscopy and IR-microscopy of human breast tumors, xenografted
breast tumors, and breast tumor cell lines
Heinz Fabian^a, Ralf Wessel^a, Michael Jackson^b, Arnfried Schwartz^a, Peter Lasch^c,
Iduna Fichtner^a, Henry M. Mantsch^b, and Dieter Naumann^c
^a Max-Delbrück-Center for Molecular Medicine Berlin
^bInstitute for Biodiagnostics ^c Robert Koch-Institute Berlin
Proceed SPIE 1998

[Antioxidative activity of ginkgolides against superoxide in an aprotic
environment.](#)

Scholtyssek H, Damerau W, Wessel R, Schimke I.

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PMID: 9413545

Identification of brain- and bone-specific breast cancer metastasis genes.

Klein A, Olendrowitz C, Schmutzler R, Hampl J, Schlag PM, Maass N, Arnold N, Wessel R, Ramser J, Meindl A, Scherneck S, Seitz S.

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PMID: 19114293

Comparison of gene expression data from human and mouse breast cancers: identification of a conserved breast tumor gene set.

Klein A, Wessel R, Graessmann M, Jürgens M, Petersen I, Schmutzler R, Niederacher D, Arnold N, Meindl A, Scherneck S, Seitz S, Graessmann A.

Int J Cancer. 2007 Aug 1;121(3):683-8. doi: 10.1002/ijc.22630.

PMID: 17410534

CorrXpression--identification of significant groups of genes and experiments by means of correspondence analysis and ratio analysis.

Wessel R, Foos V, Aspelmeier A, Jürgens M, Graessmann A, Klein A.

In Silico Biol. 2006;6(1-2):61-70.

PMID: 16789914

Gene expression profiling: cell cycle deregulation and aneuploidy do not cause breast cancer formation in WAP-SVT/t transgenic animals.

Klein A, Guhl E, Zollinger R, Tzeng YJ, Wessel R, Hummel M, Graessmann M, Graessmann A.

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Epub 2005 Jan 21.

PMID: 15662539

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J Mol Med (Berl). 2005 May;83(5):362-76. doi: 10.1007/s00109-004-0625-1.

Epub 2005 Jan 21.

PMID: 15662539

Identification of relevant groups of differential expressed genes by means of correspondence analysis (software *Correspond*)

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Poster

R. WESSEL, D. SCHWARZ On-line Anschluß eines ESR-Spektrometers an das Rechnersystem KRS 4200.

Tagung "Hochfrequenzspektrometer und ihre Anwendung", Leipzig, 1975.

D. SCHWARZ, R. WESSEL On-line connection of an ESR spectrometer with the small computer system KRS 4200 in a biophysical laboratory.

II. International School "On-line computing in the physical laboratory", Liblice b. Prag (CSSR), 1977.

D. SCHWARZ, R. WESSEL

The use of the small computer system KRS 4200 in connection with an ESR spectrometer in spin labeling studies.

1st Methodical Seminar "Application of EPR spectroscopy in molecular biology", Hellmühle, 1977.

G. LASSMANN, D. SCHWARZ, R. WESSEL, C. ANNACKER, P. GRASSHOFF, C. JACOBS
Programmpaket (TURBO-PASCAL) zur Erfassung und Auswertung von EPR-Spektren mit dem A 7100.

G. LASSMANN, D. SCHWARZ, R. WESSEL, C. ANNACKER, P. GRASSHOFF, C. JACOB
Programs for processing of EPR spectra on a personal computer.

D. SCHWARZ, P. KISSELEV, R. WESSEL

Dynamics of protein-protein and protein-lipid interaction in membrane-reconstituted mitochondrial cytochrome P450SCC systems (CYP11A1).

9th Int. Conf. on Cytochrome P450, Zürich (Schweiz), 1995 (P_{top}-8, p.22).

D. SCHWARZ, P. KISSELEV, R. WESSEL

Electron Transfer in adrenodoxin-cytochrome P450 complexes: Role of protein-protein interaction and nonbilayer lipids

Int. Symp. of the Volkswagen-Stiftung on Intra- and Intermolecular Electron Transfer,

Berlin, October 29-31, 1996 (Poster).

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Role of nonbilayer lipids in functions of cytochrome P450SCC (CYP11A1) studied in lipid vesicles.

10th Int. Conf. on Cytochrome P450, San Francisco (USA), 1997 (P226).

P. KISSELEV, R. WESSEL, W. PFEIL, D. SCHWARZ

A new view on the role of membrane in electron transfer and activity of mitochondrial CYP enzyme systems

2nd Int. Symp. of the Volkswagen-Stiftung on Intra- and Intermolecular Electron

Transfer, April 16-18, Kloster Banz, Staffelstein near Bamberg, 1998