

Smoothing and Differentiation of Data by Simplified Le

Analytical Chemistry

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Citation Report

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19	Nonlinear reconstruction of over-sampled coarsely quantized signals. , 0, , .		2
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1896	Spike-correction of weak signals from charge-coupled devices and its application to Raman spectroscopy. <i>Analytical Chemistry</i> , 1992, 64, 2575-2579.	3.2	61
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1900	Coadsorption of K and CO on Cu(110). <i>Surface Science</i> , 1992, 261, 179-190.	0.8	32
1901	Cyclic cortical reorganization during early childhood. <i>Brain and Cognition</i> , 1992, 20, 24-50.	0.8	375
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1903	Hydrogen distribution and heterogeneity of chemical bonds in surface and internal layers of a-C:H films. <i>Diamond and Related Materials</i> , 1992, 1, 345-349.	1.8	8
1904	Assessment of the renin-angiotensin system in cirrhotic patients. <i>Journal of Hepatology</i> , 1992, 15, 179-183.	1.8	59
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1914	Time domain reflectometry for measuring volumetric water content in processed oil shale waste. <i>Water Resources Research</i> , 1992, 28, 769-776.	1.7	12
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1922	Instrumental, theoretical, and experimental aspects of determining thermodynamic and kinetic parameters from steady-state and non-steady-state cyclic voltammetry at microelectrodes in high-resistance solvents: application to the fac/mer-[Cr(CO)3(.eta.3-Ph2PCH2CH2P(Ph)CH2CH2PPh2)]+/0 square reaction scheme in dichloromethane. <i>Analytical Chemistry</i> , 1992, 64, 1014-1021.	3.2	21
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1924	A comparison of the light-induced, non-reversible fluorescence quenching in Photosystem II with quenching due to open reaction centres in terms of the chlorophyll emission spectral forms. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1992, 1101, 79-83.	0.5	8
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1929	Analysis of Nontransparent Polymers: Mixture Design, Second-Derivative Attenuated Total Internal Reflectance FT-IR, and Multivariate Calibration. <i>Applied Spectroscopy</i> , 1992, 46, 1002-1008.	1.2	15
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1932	Effects of BY-1949 on evoked responses of cortical blood flow and Meynert neurons. <i>European Journal of Pharmacology</i> , 1992, 217, 101-104.	1.7	0
1933	Phase resetting and frequency entrainment of essential tremor. <i>Experimental Neurology</i> , 1992, 116, 355-361.	2.0	31
1934	Solubilization steps of dark-adapted purple membrane by Triton X-100 A spectroscopic study. <i>FEBS Letters</i> , 1992, 305, 249-253.	1.3	18
1935	Application of artificial neural system algorithms to image analysis of roots in soil, I. initial results. <i>Geoderma</i> , 1992, 53, 237-253.	2.3	13
1936	Day vs night ECG and heart rate variability patterns in patients without obvious heart disease. <i>Journal of Electrocardiology</i> , 1992, 25, 175-184.	0.4	36
1937	Solution conformations and aggregational properties of synthetic amyloid I ² -peptides of Alzheimer's disease. <i>Journal of Molecular Biology</i> , 1992, 225, 1075-1093.	2.0	629
1938	Determination of metal-organic associations in soil leachates by inductively coupled plasma-mass spectrometry. <i>Chemical Geology</i> , 1992, 95, 187-198.	1.4	14
1939	A Closer Look at Noise. <i>NIR News</i> , 1992, 3, 4-6.	1.6	4
1940	Improved evaluation of layer charge of n-alkylammonium-treated fine soil clays by Lorentz- and polarization-correction and curve-fitting. <i>Clay Minerals</i> , 1992, 27, 3-19.	0.2	28
1941	New method for the measurement of stress in thin drying gel layers, produced during the formation of ceramic membranes. <i>Journal of Materials Science</i> , 1992, 27, 472-478.	1.7	31
1942	High-affinity oxygen uptake by <i>Bifidobacterium bifidum</i> . <i>Antonie Van Leeuwenhoek</i> , 1992, 62, 291-297.	0.7	7
1943	Scattering study of vitrifying Cr-Ti solutions. <i>Applied Physics A: Solids and Surfaces</i> , 1992, 54, 26-30.	1.4	1

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1947	A common data processing system for surface analysis. <i>Surface and Interface Analysis</i> , 1992, 18, 724-728.	0.8	16
1948	High-energy LMM Auger transitions. <i>Surface and Interface Analysis</i> , 1992, 19, 264-268.	0.8	2
1949	Chemical changes in titanate surfaces induced by Ar ⁺ -ion bombardment. <i>Surface and Interface Analysis</i> , 1992, 19, 286-290.	0.8	11
1950	Interaction between Poly(2-hydroxyethyl methacrylate) and High Energy Excimer Laser Radiation. <i>Polymer International</i> , 1992, 27, 243-248.	1.6	4
1951	Resolution enhancement of electronic spectra. Performance of some Fourier domain filters. <i>Journal of Crystallographic and Spectroscopic Research</i> , 1992, 22, 679-686.	0.3	1
1952	Isoelectric focusing of pigment-protein complexes solubilized from non-irradiated and irradiated prolamellar bodies. <i>Physiologia Plantarum</i> , 1992, 85, 659-669.	2.6	37
1953	Molecular record of secular sea surface temperature changes on 100-year timescales for glacial terminations I, II and IV. <i>Nature</i> , 1992, 356, 423-426.	13.7	148
1954	Temperature Profile Analysis in Combustion Synthesis: II, Experimental Observations. <i>Journal of the American Ceramic Society</i> , 1992, 75, 180-188.	1.9	52
1955	Bayesian approach to smoothing palaeomagnetic data using ABIC. <i>Geophysical Journal International</i> , 1992, 108, 801-811.	1.0	17
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1957	Surface Topography Assessment of High-Precision Coated Abrasive Tape and Estimation of Its Machining Performance. <i>CIRP Annals - Manufacturing Technology</i> , 1992, 41, 377-380.	1.7	7
1958	Smoothed differentiation filters for images. <i>Journal of Visual Communication and Image Representation</i> , 1992, 3, 58-72.	1.7	39
1959	Dynamic measurements by heat flux calorimetry. <i>Thermochimica Acta</i> , 1992, 195, 365-372.	1.2	3
1960	Binary and ternary pyrotechnic systems of Mn and/or Mo and BaO ₂ and/or SrO ₂ . <i>Thermochimica Acta</i> , 1992, 208, 247-259.	1.2	11
1961	A geometrical assessment of machined ceramic surface for estimating fatigue strength. <i>International Journal of Machine Tools and Manufacture</i> , 1992, 32, 137-140.	6.2	1

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1967	The measurement of molar volume changes of redox reactions using high-pressure voltammetry. Journal of Electroanalytical Chemistry, 1992, 327, 219-234.	1.9	28
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1981	Simultaneous determination of uranium(VI) and thorium(IV) with carminic acid by derivative spectrophotometry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1992, 164, 309-319.	0.7	12
1982	Computer processing of artifact and arrhythmias in heart rate variability analysis. <i>Computer Methods and Programs in Biomedicine</i> , 1992, 39, 75-84.	2.6	41
1983	BIO-SPEAD: a parallel computing environment to accelerate development of biologic signal processing algorithms. <i>Computer Methods and Programs in Biomedicine</i> , 1992, 37, 137-147.	2.6	4
1984	Effects of pH on conformational properties related to the toxicity of <i>Bacillus thuringiensis</i> β -endotoxin. <i>BBA - Proteins and Proteomics</i> , 1992, 1159, 185-192.	2.1	17
1985	Measurement of the secondary structure of adsorbed protein by circular dichroism. I. Measurements of the helix content of adsorbed melittin. <i>BBA - Proteins and Proteomics</i> , 1992, 1121, 111-118.	2.1	27
1986	Ion beam induced modification of metal-engineering ceramic interfaces: I. Nickel on hot-pressed silicon nitride. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1992, 72, 427-435.	0.6	2
1987	Extension of the dynamic range in Zeeman graphite furnace atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1992, 47, 1411-1420.	1.5	25
1988	Noise-driven intermittency in tidal dynamics. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1992, 14, 1255-1271.	0.4	2
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1990	Detection of proteins and phenol in DNA samples with second-derivative absorption spectroscopy. <i>Analytical Biochemistry</i> , 1992, 200, 20-26.	1.1	24
1991	Simultaneous spectrophotometric determination of Zinc(II) and Nickel(II) with 1-(2-pyridylazo)-2-naphthol. <i>Mikrochimica Acta</i> , 1992, 108, 53-59.	2.5	3
1992	Comparison of depth profiles in SIMS by a fuzzy method. <i>Mikrochimica Acta</i> , 1992, 106, 163-173.	2.5	6
1993	KINETIC STUDY OF THE HELIX TO COIL DARK REACTION OF POLY(SPIROPYRAN-GLUTAMATE)*. <i>Photochemistry and Photobiology</i> , 1992, 55, 1-7.	1.3	72
1994	Study of polynucleotide conformation by resolution-enhanced ultraviolet spectroscopy. Poly(rC) and poly(dC). <i>FEBS Journal</i> , 1992, 210, 205-210.	0.2	8
1995	Flow linear dichroism spectra of four filamentous bacteriophages: DNA and coat protein contributions. <i>Biopolymers</i> , 1992, 32, 795-810.	1.2	31
1996	Origins and consequences of ligand-induced multiphasic thermal protein denaturation. <i>Biopolymers</i> , 1992, 32, 925-940.	1.2	64
1997	High-resolution photoacoustic study of the $4\frac{1}{2}1$ band system of monofluoroacetylene using a titanium : sapphire ring laser. <i>Chemical Physics Letters</i> , 1992, 189, 205-210.	1.2	14

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1999	Electron impact mass spectrometry of [C ₇ H ₈ N] ⁺ and [C ₆ H ₇] ⁺ and [C ₆ H ₇] ⁺ fragment ions produced fromo-toluidine andN-methylaniline. Organic Mass Spectrometry, 1992, 27, 919-923.	1.3	3
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2004	Simultaneous determination of pesticides by multivariate spectral analysis and derivative spectrophotometry. Analytica Chimica Acta, 1992, 258, 47-53.	2.6	50
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2011	Simultaneous determination of 2-furfuraldehyde, 5-hydroxymethylfurfuraldehyde and malonaldehyde in mixtures by derivative spectrophotometry and partial least-squares analysis. Analytica Chimica Acta, 1993, 276, 141-149.	2.6	64
2012	High-resolution study of collision-induced transitions from N ₂ (A $\tilde{3}\Sigma^+u, \hat{1}\frac{1}{2}=10$) to N ₂ (B $\tilde{3}\Pi_g, \hat{1}\frac{1}{2}=2$). Chemical Physics Letters, 1993, 203, 314-318.	1.2	12
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2017	Two-dimensional motion of DNA bands during 120Å° pulsed-field gel electrophoresis. <i>Electrophoresis</i> , 1993, 14, 296-303.	1.3	7
2018	Quantitative analysis of gel electrophoretograms by image analysis and least squares modeling. <i>Electrophoresis</i> , 1993, 14, 601-612.	1.3	30
2019	Resonance polarization and phase-mismatched CARS of pheophytin b excited in the Qy band. <i>Journal of Raman Spectroscopy</i> , 1993, 24, 383-396.	1.2	13
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2021	Development of a reference material and reference method to provide a calibration of the instrument intensity scale for differential AES. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1993, 61, 149-171.	0.8	5
2022	Reply to "comment of M.P. Seah and P.J. Cumpson on "spectral noise removal by digital filtering and its application to surface analysis" by K. Piyakis and E. Sacher". <i>Applied Surface Science</i> , 1993, 64, 361-364.	3.1	4
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2024	Deconvolution of overlapping chromatographic peaks using a cerebellar model arithmetic computer neural network. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1993, 18, 41-57.	1.8	18
2025	Separation of overlapping spectra from evolving systems using factor analysis. 1. Theory to obtain real spectra. <i>Biophysical Chemistry</i> , 1993, 47, 267-276.	1.5	34
2026	Use of automated smoothing and deconvolution procedures for the determination of human breast cancer estrogen and progesterone receptor isoforms, after high-performance size-exclusion chromatography. <i>Biomedical Applications</i> , 1993, 615, 23-36.	1.7	5
2027	Deconvolution of mass spectra. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1993, 324, 288-296.	0.7	15
2028	Determination of accurate critical-point energies, linewidths and line shapes from spectroscopic ellipsometry data. <i>Thin Solid Films</i> , 1993, 233, 148-152.	0.8	14
2029	Temperature dependence of the dielectric function and the interband critical-point parameters of GaP. <i>Thin Solid Films</i> , 1993, 233, 185-188.	0.8	14
2030	FTOTAL, A program to process total luminescence spectra. <i>Computers & Chemistry</i> , 1993, 17, 341-354.	1.2	41
2031	Derivative linear sweep and derivative cyclic voltabsorptometry of the long-path-length spectroelectrochemical cell: The single reversible electrode reaction. <i>Journal of Electroanalytical Chemistry</i> , 1993, 348, 29-47.	1.9	8
2032	Thermodynamic and kinetic studies of cytochrome c from different species. <i>Journal of Electroanalytical Chemistry</i> , 1993, 350, 29-42.	1.9	35
2033	Investigations of adsorption potentiometry. <i>Journal of Electroanalytical Chemistry</i> , 1993, 356, 171-179.	1.9	6

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2034	The role of water in biological systems. <i>Journal of Molecular Structure</i> , 1993, 297, 425-437.	1.8	7
2035	High resolution spectroradiometry: Spectral reflectance of field bean leaves infected by <i>Botrytis fabae</i> . <i>Remote Sensing of Environment</i> , 1993, 45, 107-116.	4.6	141
2036	Surface vanadia species in V2O5-TiO2 systems prepared by mechanically mixing: A Fourier transform infrared spectroscopy study. <i>Vibrational Spectroscopy</i> , 1993, 5, 295-302.	1.2	2
2037	Removal of the vegetation effect from LANDSAT TM and GER imaging spectroradiometer data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 1993, 48, 16-27.	4.9	20
2038	Spectral ratio derivative spectrophotometric determination of sulphaquinoxaline and pyrimethamine in veterinary formulations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1993, 11, 601-607.	1.4	24
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2040	Fourier transform infrared spectroscopic study of ion binding and intramolecular interactions in the polar head of digalactosyldiacylglycerol. <i>European Biophysics Journal</i> , 1993, 22, 249-58.	1.2	30
2041	Thermal expansion of aluminium borate. <i>Journal of Materials Science Letters</i> , 1993, 12, 1735-1737.	0.5	10
2042	X-ray emission spectroscopy and electronic structure of heterocyclic compounds 2. Thiophene. <i>Chemistry of Heterocyclic Compounds</i> , 1993, 29, 1012-1016.	0.6	0
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