

Jens Et Andersen

List of Publications by Year in descending order

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99
papers

2,233
citations

279701

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docs citations

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times ranked

2234
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling uncertainty by the principle of pooled calibrations and issues with method validations may influence consensus in science. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 188, 110382.	2.5	1
2	Assessment of measurement uncertainty using longitudinal calibration data in the forensic context. <i>Forensic Chemistry</i> , 2021, 23, 100317.	1.7	4
3	Evaluation of the van Deemter equation in terms of open-ended flow to chromatography. <i>Journal of Separation Science</i> , 2020, 43, 3251-3265.	1.3	3
4	Signal convolution indicates chromatographic pulse flow and open-end flow. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	1
5	Understanding Uncertainty to Weighing by Electronic-Analytical Balances. <i>Journal of AOAC INTERNATIONAL</i> , 2018, 101, 1977-1984.	0.7	4
6	The standard addition method revisited. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 89, 21-33.	5.8	27
7	New Concepts of Quality Assurance in Analytical Chemistry: Will They Influence the Way We Conduct Science in General?. <i>Chemical Engineering Communications</i> , 2016, 203, 1582-1590.	1.5	5
8	Investigation of surface porosity measurements and compaction pressure as means to ensure consistent contact angle determinations. <i>International Journal of Pharmaceutics</i> , 2016, 498, 355-361.	2.6	10
9	Response to Letter to the Editor: "On the development of quality assurance in analytical chemistry". <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 64, xiv-xv.	5.8	1
10	Letter to the Editor regarding "Pitfalls in quality assurance". <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 6081-6082.	1.9	1
11	Determination of iron by Z-GFAAS and the influence of short-term precision and long-term precision. <i>Open Chemistry</i> , 2014, 12, 194-205.	1.0	6
12	On the development of quality assurance. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 60, 16-24.	5.8	16
13	Response to Letter to the Editor regarding the "European Analytical Column No. 41". <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7177-7179.	1.9	3
14	European Analytical Column No. 41. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5361-5364.	1.9	4
15	PTH (^{34}P), but not strontium ranelate counteract loss of trabecular thickness and bone strength in disuse osteopenic rats. <i>Bone</i> , 2013, 53, 51-58.	1.4	26
16	European Analytical Column. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 46, xvi-xix.	5.8	3
17	European Analytical Column No. 40 by the Division of Analytical Chemistry (DAC) of the European Association for Chemical and Molecular Sciences (EuCheMS). <i>Accreditation and Quality Assurance</i> , 2012, 17, 553-556.	0.4	0
18	The principle of pooled calibrations and outlier retainment elucidates optimum performance of ion chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 908, 122-127.	1.2	8

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19	Basic mathematics and physics for undergraduate chemistry students according to the Eurobachelor® curriculum. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1461-1464.	1.9	0
20	European Analytical Column No. 40. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 5-7.	1.9	0
21	Tantalum carbide as a novel support material for anode electrocatalysts in polymer electrolyte membrane water electrolyzers. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 2173-2181.	3.8	82
22	European Analytical Column. TrAC - Trends in Analytical Chemistry, 2012, 35, 1-3.	5.8	1
23	European analytical column no. 39. Analytical chemistry and bioanalytical chemistry: a yet unshaped social relationship. <i>Accreditation and Quality Assurance</i> , 2011, 16, 267-269.	0.4	1
24	European analytical column no. 39. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1539-1541.	1.9	0
25	Strontium Is Incorporated into the Fracture Callus but Does Not Influence the Mechanical Strength of Healing Rat Fractures. <i>Calcified Tissue International</i> , 2011, 88, 142-152.	1.5	33
26	Analytical chemistry and bioanalytical chemistry – A yet unshaped social relationship. TrAC - Trends in Analytical Chemistry, 2011, 30, 422-424.	5.8	2
27	Polymeric strontium ranelate nonahydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, m471-m472.	0.2	4
28	European analytical column no. 38 (January 2010). <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1647-1651.	1.9	1
29	Selective side-chain oxidation of alkyl aromatic compounds catalyzed by cerium modified silver catalysts. <i>Journal of Molecular Catalysis A</i> , 2010, 331, 40-49.	4.8	34
30	European Analytical Column. TrAC - Trends in Analytical Chemistry, 2010, 29, 447-451.	5.8	0
31	Novel response function resolves by image deconvolution more details of surface nanomorphology. <i>Physica Scripta</i> , 2010, 82, 055602.	1.2	1
32	New human milk fat substitutes from butterfat to improve fat absorption. <i>Food Research International</i> , 2010, 43, 739-744.	2.9	31
33	European analytical column no. 37 (January 2009) Division of Analytical Chemistry (DAC) of the European Association for Chemical and Molecular Sciences (EuChemS). <i>Accreditation and Quality Assurance</i> , 2009, 14, 337-340.	0.4	4
34	European analytical column no. 37 (January 2009). <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 655-658.	1.9	0
35	Structures of strontium diformate and strontium fumarate. A synchrotron powder diffraction study. <i>Acta Crystallographica Section B: Structural Science</i> , 2009, 65, 481-487.	1.8	4
36	European Analytical Column. TrAC - Trends in Analytical Chemistry, 2009, 28, 515-518.	5.8	4

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37	European analytical column no. 36 (January 2008). <i>Journal of Analytical Chemistry</i> , 2009, 64, 319-321.	0.4	1
38	Exercise in Quality Assurance: A Laboratory Exercise. <i>Journal of Chemical Education</i> , 2009, 86, 733.	1.1	10
39	Correspondence between Experiment and Theory of Bulk Electrocrystallisation at Solid Electrodes in Aqueous Electrolyte. <i>ECS Transactions</i> , 2009, 16, 25-35.	0.3	2
40	European analytical column No. 36 (January 2008). <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1109-1112.	1.9	0
41	Application of inductively coupled plasma-mass spectrometry (ICP-MS) and quality assurance to study the incorporation of strontium into bone, bone marrow, and teeth of dogs after one month of treatment with strontium malonate. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2199-2207.	1.9	20
42	Investigation of the performance of the instrument by nonlinear calibration. <i>Mikrochimica Acta</i> , 2008, 160, 89-96.	2.5	4
43	European analytical column no. 36 from the Division of Analytical Chemistry (DAC) of the European Association for Chemical and Molecular Sciences (EuChemS) January 2008. <i>Accreditation and Quality Assurance</i> , 2008, 13, 279-282.	0.4	0
44	DAC tries a new format. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 97-100.	5.8	0
45	A step-wise approach to the determination of the lower limit of analysis of the calibration line. <i>Journal of Analytical Chemistry</i> , 2008, 63, 308-319.	0.4	6
46	Analysis of Cyanide in Blood by Headspace-Isotope-Dilution-GC-MS. <i>Analytical Letters</i> , 2008, 41, 2564-2586.	1.0	19
47	Improved Performance of the Potentiometric Biosensor for the Determination of Creatinine. <i>Analytical Letters</i> , 2007, 40, 39-52.	1.0	17
48	Synthesis and characterisation of strontium carboxylates formed at room temperature and under hydrothermal conditions. <i>Journal of Coordination Chemistry</i> , 2006, 59, 2023-2030.	0.8	4
49	Strontium dibuprofenate dihydrate, strontium malonate sesquihydrate, strontium diascorbate dihydrate and strontium 2-oxidobenzoate hydrate at 120 K. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, m144-m149.	0.4	6
50	Poly[[tetraaquatris(monomethyl fumarato)distrontium(II)] monomethyl fumarate] at 120 K. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, m1677-m1679.	0.2	1
51	Strontium D-glutamate hexahydrate and strontium di(hydrogen L-glutamate) pentahydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005, 61, m259-m262.	0.4	1
52	A novel method for the filterless preconcentration of iron. <i>Analyst</i> , 2005, 130, 385.	1.7	119
53	Adsorption and Interfacial Electron Transfer of <i>Saccharomyces Cerevisiae</i> Yeast Cytochrome c Monolayers on Au(111) Electrodes. <i>Langmuir</i> , 2003, 19, 3419-3427.	1.6	58
54	Filterless pre-concentration by co-precipitation by formation of crystalline precipitate in the analysis of barium by FIA-FAES. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 49-53.	1.6	9

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55	Electronic Properties of Functional Biomolecules at Metal/Aqueous Solution Interfaces. <i>Journal of Physical Chemistry B</i> , 2002, 106, 1131-1152.	1.2	165
56	Monolayers of a de novo designed 4- $\hat{\alpha}$ -helix bundle carboprotein and partial structures on Au(111)-surfaces. <i>Bioelectrochemistry</i> , 2002, 56, 27-32.	2.4	7
57	Organized Monolayers of Biological Macromolecules on Au(111) Surfaces. <i>Russian Journal of Electrochemistry</i> , 2002, 38, 68-76.	0.3	9
58	On the possibility to improve the performance of flow injection analysis by deconvolution of spectrophotometric data. <i>Talanta</i> , 2001, 54, 131-138.	2.9	5
59	Ordered Assembly and Controlled Electron Transfer of the Blue Copper Protein Azurin at Gold (111) Single-Crystal Substrates. <i>Journal of Physical Chemistry B</i> , 2001, 105, 4669-4679.	1.2	223
60	Flow-injection responses of diffusion processes and chemical reactions. <i>Theoretical Chemistry Accounts</i> , 2000, 103, 409-416.	0.5	3
61	Indications of Segmental Flow in Straight Pipes by Flow Injection with Spectrophotometric Detection. <i>Physica Scripta</i> , 2000, 62, 331-340.	1.2	3
62	Two-Dimensional Cysteine and Cystine Cluster Networks on Au(111) Disclosed by Voltammetry and in Situ Scanning Tunneling Microscopy. <i>Langmuir</i> , 2000, 16, 7229-7237.	1.6	209
63	Creating nanoscale pits on solid surfaces in aqueous environment with scanning tunnelling microscopy. <i>Surface Science</i> , 2000, 463, L641-L648.	0.8	19
64	Molecular Monolayers and Interfacial Electron Transfer of <i>Pseudomonas aeruginosa</i> Azurin on Au(111). <i>Journal of the American Chemical Society</i> , 2000, 122, 4047-4055.	6.6	251
65	An approach to long-range electron transfer mechanisms in metalloproteins: In situ scanning tunneling microscopy with submolecular resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 1379-1384.	3.3	135
66	A practical exercise for the determination of As(III) by flow injection hydride generation-atomic absorption spectrometry. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1999, 34, 91-100.	0.2	0
67	Electrochemistry of self-assembled monolayers of the blue copper protein <i>Pseudomonas aeruginosa</i> azurin on Au(111). <i>Electrochemistry Communications</i> , 1999, 1, 91-96.	2.3	76
68	In situ scanning probe microscopy and new perspectives in analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 1999, 18, 665-674.	5.8	7
69	Electron Transport and Two-Dimensional Organization of Metalloprotein Adsorbates Investigated by Cyclic Voltammetry and In Situ Scanning Tunnelling and Atomic Force Microscopy. <i>Comprehensive Chemical Kinetics</i> , 1999, 37, 133-160.	2.3	0
70	Introduction of hydrogen peroxide as an oxidant in flow injection analysis: speciation of Cr(III) and Cr(VI). <i>Analytica Chimica Acta</i> , 1998, 361, 125-131.	2.6	54
71	The influence of intermediate particles on the nucleation of copper on polycrystalline platinum. <i>Electrochimica Acta</i> , 1998, 43, 733-741.	2.6	31
72	Metalloprotein adsorption on Au(111) and polycrystalline platinum investigated by in situ scanning tunneling microscopy with molecular and submolecular resolution. <i>Electrochimica Acta</i> , 1998, 43, 2889-2897.	2.6	24

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73	Dynamics of <i>Pseudomonas aeruginosa</i> azurin and its Cys3Ser mutant at single-crystal gold surfaces investigated by cyclic voltammetry and atomic force microscopy. <i>Electrochimica Acta</i> , 1998, 43, 1114-1122.	2.6	44
74	A new cell design for potentiostatically controlled in situ atomic force microscopy. <i>Applied Physics A: Materials Science and Processing</i> , 1998, 66, S619-S623.	1.1	2
75	Simultaneous determination of trace-levels of alloying zinc and copper by semi-mercury-free potentiometric stripping analysis with chemometric data treatment. <i>Fresenius' Journal of Analytical Chemistry</i> , 1998, 362, 77-83.	1.5	6
76	Investigations Into the Role of Modifiers for Entrapment of Hydrides in Flow Injection Hydride Generation Electrothermal Atomic Absorption Spectrometry as Exemplified by the Determination of Germanium. <i>Journal of Analytical Atomic Spectrometry</i> , 1997, 12, 585-588.	1.6	16
77	Analysis of Lead and Zinc by Mercury-Free Potentiometric Stripping Analysis. <i>Analytical Letters</i> , 1997, 30, 1001-1012.	1.0	5
78	Investigation of mercury-free potentiometric stripping analysis and the influence of mercury in the analysis of trace elements lead and zinc. <i>Fresenius' Journal of Analytical Chemistry</i> , 1997, 359, 526-532.	1.5	1
79	Influence of the tip on electrode processes and on morphologies studied by in situ STM: Cu/Au. <i>Surface and Coatings Technology</i> , 1997, 89, 1-9.	2.2	2
80	Covalently immobilised cytochrome c imaged by in situ scanning tunnelling microscopy. <i>Bioelectrochemistry</i> , 1997, 44, 57-63.	1.0	13
81	Electron tunnelling in electrochemical processes and in situ scanning tunnel microscopy of structurally organized systems. <i>Electrochimica Acta</i> , 1997, 42, 819-831.	2.6	28
82	Dynamics of <i>Pseudomonas aeruginosa</i> azurin and its Cys3Ser mutant at single-crystal gold surfaces investigated by cyclic voltammetry and atomic force microscopy. <i>Electrochimica Acta</i> , 1997, 42, 2889-2897.	2.6	23
83	Perspectives for in situ scanning tunnel microscopic imaging of metalloproteins at HOPG surfaces. <i>Electrochimica Acta</i> , 1996, 41, 2005-2010.	2.6	15
84	Bulk copper electrodeposition on gold imaged by in situ STM: morphology and influence of tip potential. <i>Journal of Applied Electrochemistry</i> , 1996, 26, 161-170.	1.5	28
85	Improved corrosion resistance of pulse plated nickel through crystallisation control. <i>Journal of Applied Electrochemistry</i> , 1995, 25, 347.	1.5	42
86	Growth of a Copper-Gold Alloy Phase by Bulk Copper Electrodeposition on Gold Investigated by In Situ STM. <i>Journal of the Electrochemical Society</i> , 1995, 142, 2225-2232.	1.3	19
87	Cytochrome c dynamics at gold and glassy carbon surfaces monitored by in situ scanning tunnel microscopy. <i>Surface Science</i> , 1995, 325, 193-205.	0.8	56
88	Determination of surface stoichiometry in polycrystalline alloys by a crystallographic electron attenuation model: Application to the Ce/Rh system. <i>Surface and Interface Analysis</i> , 1994, 21, 576-580.	0.8	3
89	Bulk crystalline copper electrodeposited on polycrystalline gold surfaces observed by in-situ scanning tunnelling microscopy. <i>Surface and Coatings Technology</i> , 1994, 70, 87-95.	2.2	8
90	Pulse plating on gold surfaces studied by in situ scanning tunnelling microscopy. <i>Surface and Coatings Technology</i> , 1994, 67, 151-159.	2.2	8

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91	Analysis and calibration of in situ scanning tunnelling microscopy images with atomic resolution influenced by surface drift phenomena. <i>Surface and Coatings Technology</i> , 1994, 67, 213-220.	2.2	5
92	Growth of Ce on Rh, surface alloy formation and the preparation and properties of Rh/ceria model planar catalysts. <i>Surface Science</i> , 1993, 287-288, 222-227.	0.8	17
93	On electron-beam-induced charging effects in Cu and Y deposited LaAlO ₃ surfaces. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1992, 10, 497-500.	0.9	2
94	Determination of substrate and overlayer intensity ratios for metal-metal systems in AES and XPS by a crystallographic electron attenuation model. <i>Surface Science</i> , 1992, 262, 422-436.	0.8	4
95	Matrix-effect correction in oxide crystal Auger electron spectroscopy. <i>Surface Science</i> , 1991, 243, 337-349.	0.8	6
96	Characterization of metal-overlayer growth-modes in Auger crystal surface analysis. <i>Surface Science</i> , 1991, 258, 247-258.	0.8	3
97	Room-temperature interaction of ultrathin-film yttrium with SrTiO ₃ (100), LaAlO ₃ (100), and MgO(100) surfaces. <i>Physical Review B</i> , 1991, 44, 13645-13654.	1.1	7
98	Ultrathin deposition of copper on room temperature SrTiO ₃ (100). <i>Thin Solid Films</i> , 1990, 186, 137-146.	0.8	12
99	Impurity-induced 900 °C (2 Å ⁻²) surface reconstruction of SrTiO ₃ (100). <i>Applied Physics Letters</i> , 1990, 56, 1847-1849.	1.5	35