

# Jens Et Andersen

## List of Publications by Year in descending order

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2,233  
citations

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23  
h-index

223716

46  
g-index

99  
all docs

99  
docs citations

99  
times ranked

2234  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Electronic Properties of Functional Biomolecules at Metal/Aqueous Solution Interfaces. <i>Journal of Physical Chemistry B</i> , 2002, 106, 1131-1152.	1.2	165
5	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
6	A novel method for the filterless preconcentration of iron. <i>Analyst</i> , 2005, 130, 385.	1.7	119
7	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
8	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
9	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
10	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
11	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
12	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
13	Improved corrosion resistance of pulse plated nickel through crystallisation control. <i>Journal of Applied Electrochemistry</i> , 1995, 25, 347.	1.5	42
14	Impurity-induced 900 Å <sup>2</sup> surface reconstruction of SrTiO <sub>3</sub> (100). <i>Applied Physics Letters</i> , 1990, 56, 1847-1849.	1.5	35
15	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
16	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
17	The influence of intermediate particles on the nucleation of copper on polycrystalline platinum. <i>Electrochimica Acta</i> , 1998, 43, 733-741.	2.6	31
18	New human milk fat substitutes from butterfat to improve fat absorption. <i>Food Research International</i> , 2010, 43, 739-744.	2.9	31

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19	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
20	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
21	The standard addition method revisited. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 89, 21-33.	5.8	27
22	PTH (1 $\alpha$ -34), 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
23	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
24	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
25	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
26	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
27	Creating nanoscale pits on solid surfaces in aqueous environment with scanning tunnelling microscopy. <i>Surface Science</i> , 2000, 463, L641-L648.	0.8	19
28	Analysis of Cyanide in Blood by Headspace-Isotope-Dilution-GC-MS. <i>Analytical Letters</i> , 2008, 41, 2564-2586.	1.0	19
29	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
30	Improved Performance of the Potentiometric Biosensor for the Determination of Creatinine. <i>Analytical Letters</i> , 2007, 40, 39-52.	1.0	17
31	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
32	On the development of quality assurance. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 60, 16-24.	5.8	16
33	Perspectives for in situ scanning tunnel microscopic imaging of metalloproteins at HOPG surfaces. <i>Electrochimica Acta</i> , 1996, 41, 2005-2010.	2.6	15
34	Covalently immobilised cytochrome c imaged by in situ scanning tunnelling microscopy. <i>Bioelectrochemistry</i> , 1997, 44, 57-63.	1.0	13
35	Ultrathin deposition of copper on room temperature SrTiO <sub>3</sub> (100). <i>Thin Solid Films</i> , 1990, 186, 137-146.	0.8	12
36	Exercise in Quality Assurance: A Laboratory Exercise. <i>Journal of Chemical Education</i> , 2009, 86, 733.	1.1	10

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37	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
38	Organized Monolayers of Biological Macromolecules on Au(111) Surfaces. <i>Russian Journal of Electrochemistry</i> , 2002, 38, 68-76.	0.3	9
39	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
40	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
41	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
42	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
43	Room-temperature interaction of ultrathin-film yttrium with SrTiO <sub>3</sub> (100), LaAlO <sub>3</sub> (100), and MgO(100) surfaces. <i>Physical Review B</i> , 1991, 44, 13645-13654.	1.1	7
44	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
45	Monolayers of a de novo designed 4- $\beta$ -helix bundle carboprotein and partial structures on Au(111)-surfaces. <i>Bioelectrochemistry</i> , 2002, 56, 27-32.	2.4	7
46	Matrix-effect correction in oxide crystal Auger electron spectroscopy. <i>Surface Science</i> , 1991, 243, 337-349.	0.8	6
47	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
48	Strontium diibuprofenate dihydrate, strontium malonate sesquihydrate, strontium diascorbate dihydrate and strontium 2-oxidobenzoate hydrate at 120â€¦K. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, m144-m149.	0.4	6
49	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
50	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
51	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
52	Analysis of Lead and Zinc by Mercury-Free Potentiometric Stripping Analysis. <i>Analytical Letters</i> , 1997, 30, 1001-1012.	1.0	5
53	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
54	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

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55	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
56	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
57	Investigation of the performance of the instrument by nonlinear calibration. <i>Mikrochimica Acta</i> , 2008, 160, 89-96.	2.5	4
58	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
59	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
60	European Analytical Column. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 515-518.	5.8	4
61	Polymeric strontium ranelate nonahydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, m471-m472.	0.2	4
62	European Analytical Column No. 41. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5361-5364.	1.9	4
63	Understanding Uncertainty to Weighing by Electronic-Analytical Balances. <i>Journal of AOAC INTERNATIONAL</i> , 2018, 101, 1977-1984.	0.7	4
64	Assessment of measurement uncertainty using longitudinal calibration data in the forensic context. <i>Forensic Chemistry</i> , 2021, 23, 100317.	1.7	4
65	Characterization of metal-overlayer growth-modes in Auger crystal surface analysis. <i>Surface Science</i> , 1991, 258, 247-258.	0.8	3
66	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
67	Flow-injection responses of diffusion processes and chemical reactions. <i>Theoretical Chemistry Accounts</i> , 2000, 103, 409-416.	0.5	3
68	Indications of Segmental Flow in Straight Pipes by Flow Injection with Spectrophotometric Detection. <i>Physica Scripta</i> , 2000, 62, 331-340.	1.2	3
69	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
70	European Analytical Column. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 46, xvi-xix.	5.8	3
71	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
72	On electron-beam-induced charging effects in Cu- and Y-deposited LaAlO <sub>3</sub> surfaces. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1992, 10, 497-500.	0.9	2

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73	Influence of the tip on electrode processes and on morphologies studied by in situ STM: Cu/Au. Surface and Coatings Technology, 1997, 89, 1-9.	2.2	2
74	A new cell design for potentiostatically controlled in situ atomic force microscopy. Applied Physics A: Materials Science and Processing, 1998, 66, S619-S623.	1.1	2
75	Correspondence between Experiment and Theory of Bulk Electrocrystallisation at Solid Electrodes in Aqueous Electrolyte. ECS Transactions, 2009, 16, 25-35.	0.3	2
76	Analytical chemistry and bioanalytical chemistry – A yet unshaped social relationship. TrAC - Trends in Analytical Chemistry, 2011, 30, 422-424.	5.8	2
77	Investigation of mercury-free potentiometric stripping analysis and the influence of mercury in the analysis of trace elements lead and zinc. Fresenius' Journal of Analytical Chemistry, 1997, 359, 526-532.	1.5	1
78	StrontiumD-glutamate hexahydrate and strontium di(hydrogenL-glutamate) pentahydrate. Acta Crystallographica Section C: Crystal Structure Communications, 2005, 61, m259-m262.	0.4	1
79	Poly[[tetraaquatris(monomethyl fumarato)distrontium(II)] monomethyl fumarate] at 120 K. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, m1677-m1679.	0.2	1
80	European analytical column no. 36 (January 2008). Journal of Analytical Chemistry, 2009, 64, 319-321.	0.4	1
81	European analytical column no. 38 (January 2010). Analytical and Bioanalytical Chemistry, 2010, 397, 1647-1651.	1.9	1
82	Novel response function resolves by image deconvolution more details of surface nanomorphology. Physica Scripta, 2010, 82, 055602.	1.2	1
83	European analytical column no. 39. Analytical chemistry and bioanalytical chemistry: a yet unshaped social relationship. Accreditation and Quality Assurance, 2011, 16, 267-269.	0.4	1
84	European Analytical Column. TrAC - Trends in Analytical Chemistry, 2012, 35, 1-3.	5.8	1
85	Letter to the Editor regarding –Pitfalls in quality assurance–. Analytical and Bioanalytical Chemistry, 2014, 406, 6081-6082.	1.9	1
86	Response to Letter to the Editor: –On the development of quality assurance in analytical chemistry–™. TrAC - Trends in Analytical Chemistry, 2015, 64, xiv-xv.	5.8	1
87	Signal convolution indicates chromatographic pulse flow and open-end flow. SN Applied Sciences, 2019, 1, 1.	1.5	1
88	Modeling uncertainty by the principle of pooled calibrations and issues with method validations may influence consensus in science. Measurement: Journal of the International Measurement Confederation, 2022, 188, 110382.	2.5	1
89	A practical exercise for the determination of As(III) by flow injection hydride generation-atomic absorption spectrometry. Chemometrics and Intelligent Laboratory Systems, 1999, 34, 91-100.	0.2	0
90	Electron Transport and Two-Dimensional Organization of Metalloprotein Adsorbates Investigated by Cyclic Voltammetry and In Situ Scanning Tunnelling and Atomic Force Microscopy. Comprehensive Chemical Kinetics, 1999, 37, 133-160.	2.3	0

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91	European analytical column No. 36 (January 2008). Analytical and Bioanalytical Chemistry, 2008, 391, 1109-1112.	1.9	0
92	European analytical column no. 36 from the Division of Analytical Chemistry (DAC) of the European Association for Chemical and Molecular Sciences (EuCheMS) January 2008. Accreditation and Quality Assurance, 2008, 13, 279-282.	0.4	0
93	DAC tries a new format. TrAC - Trends in Analytical Chemistry, 2008, 27, 97-100.	5.8	0
94	European analytical column no. 37 (January 2009). Analytical and Bioanalytical Chemistry, 2009, 394, 655-658.	1.9	0
95	European Analytical Column. TrAC - Trends in Analytical Chemistry, 2010, 29, 447-451.	5.8	0
96	European analytical column no. 39. Analytical and Bioanalytical Chemistry, 2011, 400, 1539-1541.	1.9	0
97	European Analytical Column No. 40 by the Division of Analytical Chemistry (DAC) of the European Association for Chemical and Molecular Sciences (EuCheMS). Accreditation and Quality Assurance, 2012, 17, 553-556.	0.4	0
98	Basic mathematics and physics for undergraduate chemistry students according to the Eurobachelor <sup>®</sup> curriculum. Analytical and Bioanalytical Chemistry, 2012, 403, 1461-1464.	1.9	0
99	European Analytical Column No. 40. Analytical and Bioanalytical Chemistry, 2012, 404, 5-7.	1.9	0