

Daniel R Thevenot

List of Publications by Year in descending order

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44
papers

4,457
citations

236925

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254184

43
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45
all docs

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docs citations

45
times ranked

4560
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical biosensors: recommended definitions and classification. <i>International Union of Pure and Applied Chemistry: Physical Chemistry Division, Commission I.7 (Biophysical Chemistry); Analytical Chemistry Division, Commission V.5 (Electroanalytical Chemistry)</i> . 1. <i>Biosensors and Bioelectronics</i> , 2001, 16, 121-131.	10.1	1,262
2	Electrochemical Biosensors: Recommended Definitions and Classification. <i>Pure and Applied Chemistry</i> , 1999, 71, 2333-2348.	1.9	654
3	Design and in vitro studies of a needle-type glucose sensor for subcutaneous monitoring. <i>Analytical Chemistry</i> , 1991, 63, 1692-1696.	6.5	291
4	ELECTROCHEMICAL BIOSENSORS: RECOMMENDED DEFINITIONS AND CLASSIFICATION*. <i>Analytical Letters</i> , 2001, 34, 635-659.	1.8	234
5	Batch metal removal by peat. Kinetics and thermodynamics. <i>Water Research</i> , 1986, 20, 21-26.	11.3	211
6	Historical perspective of heavy metals contamination (Cd, Cr, Cu, Hg, Pb, Zn) in the Seine River basin (France) following a DPSIR approach (1950-2005). <i>Science of the Total Environment</i> , 2007, 375, 204-231.	8.0	169
7	Sources, distribution and variability of hydrocarbons and metals in atmospheric deposition in an urban area (Paris, France). <i>Science of the Total Environment</i> , 2005, 337, 223-239.	8.0	147
8	Enzyme collagen membrane for electrochemical determination of glucose. <i>Analytical Chemistry</i> , 1979, 51, 96-100.	6.5	138
9	Critical budget of metal sources and pathways in the Seine River basin (1994-2003) for Cd, Cr, Cu, Hg, Ni, Pb and Zn. <i>Science of the Total Environment</i> , 2007, 375, 180-203.	8.0	131
10	Towards continuous glucose monitoring: in vivo evaluation of a miniaturized glucose sensor implanted for several days in rat subcutaneous tissue. <i>Diabetologia</i> , 1992, 35, 224-230.	6.3	121
11	Trace metal determination in total atmospheric deposition in rural and urban areas. <i>Science of the Total Environment</i> , 2003, 308, 247-256.	8.0	111
12	Batch copper ion binding and exchange properties of peat. <i>Water Research</i> , 1990, 24, 1463-1471.	11.3	102
13	Heavy metal concentrations in dry and wet atmospheric deposits in Paris district: comparison with urban runoff. <i>Science of the Total Environment</i> , 1999, 235, 235-245.	8.0	87
14	Progress Toward the Development of an Implantable Sensor for Glucose. <i>Clinical Chemistry</i> , 1992, 38, 1613-1617.	3.2	86
15	Fluorescein diacetate hydrolysis as a measure of microbial activity in aquatic systems: Application to activated sludges. <i>Environmental Technology (United Kingdom)</i> , 1992, 13, 531-540.	2.2	85
16	Covalent enzyme coupling on cellulose acetate membranes for glucose sensor development. <i>Analytical Chemistry</i> , 1988, 60, 2781-2786.	6.5	71
17	A street deposit sampling method for metal and hydrocarbon contamination assessment. <i>Science of the Total Environment</i> , 1999, 235, 211-220.	8.0	59
18	Decrease of atmospheric deposition of heavy metals in an urban area from 1994 to 2002 (Paris, France). <i>Chemosphere</i> , 2005, 61, 645-651.	8.2	46

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19	Heavy Metal Determination in Atmospheric Deposition and Other Fluxes in Northern France Agrosystems. <i>Water, Air, and Soil Pollution</i> , 2004, 157, 295-313.	2.4	45
20	Quality of dredged material in the river Seine basin (France). II. Micropollutants. <i>Science of the Total Environment</i> , 2002, 299, 57-72.	8.0	38
21	Study and development of multilayer needle-type enzyme-based glucose microsensors. <i>Biosensors</i> , 1989, 4, 27-40.	1.7	33
22	Urban Runoff Impacts on Particulate Metal Concentrations in River Seine. <i>Water, Air, and Soil Pollution</i> , 1998, 108, 83-105.	2.4	33
23	245 - A highly sensitive glucose electrode using glucose oxidase collagen film. <i>Bioelectrochemistry</i> , 1978, 5, 548-553.	1.0	29
24	Determination of aliphatic hydrocarbons in urban runoff samples from the "Le Marais" experimental catchment in Paris centre. <i>Water Research</i> , 2002, 36, 1275-1285.	11.3	29
25	Urban runoff impacts on particulate metal and hydrocarbon concentrations in river seine: Suspended solid and sediment transport. <i>Water Science and Technology</i> , 1997, 36, 185.	2.5	27
26	Sensitive Detection of Organophosphorus Pesticides Using a Needle Type Amperometric Acetylcholinesterase-based Bioelectrode. <i>Thiocholine Electrochemistry and Immobilised Enzyme Inhibition. Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2002, 17, 107-115.	5.2	26
27	Electrochemical study of reactions at interfaces of glucose oxidase collagen membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1980, 612, 317-327.	2.6	23
28	A Glucose Electrode Using High-Stability Glucose-Oxidase Collagen Membranes. <i>Diabetes Care</i> , 1982, 5, 203-206.	8.6	22
29	Problems in Adapting a Glucose-Oxidase Electrochemical Sensor into an Implantable Glucose-Sensing Device. <i>Diabetes Care</i> , 1982, 5, 184-189.	8.6	21
30	Determination of Polycyclic Aromatic Hydrocarbons in Urban Runoff Samples from the "Le Marais" Experimental Catchment in Paris Centre. <i>Polycyclic Aromatic Compounds</i> , 2000, 20, 1-19.	2.6	20
31	Metal contamination budget at the river basin scale: an original Flux-Flow Analysis (F2A) for the Seine River. <i>Hydrology and Earth System Sciences</i> , 2007, 11, 1771-1781.	4.9	14
32	Strategies for calibrating a subcutaneous glucose sensor. <i>Biomedica Biochimica Acta</i> , 1989, 48, 957-64.	0.1	14
33	Quality of dredged material in the River Seine basin (France). I. Physico-chemical properties. <i>Science of the Total Environment</i> , 2002, 295, 101-113.	8.0	12
34	Influence of calcium on glucose biosensor response and on hydrogen peroxide detection. <i>Biosensors and Bioelectronics</i> , 1998, 13, 19-29.	10.1	11
35	In vitro and in vivo stability of electrode potentials in needle-type glucose sensors. Influence of needle material. <i>Diabetes</i> , 1989, 38, 164-171.	0.6	10
36	Titration of aqueous solutions of phenols and determination of their bromination rate constants by means of ring-disc electrodes. <i>Journal of Applied Electrochemistry</i> , 1976, 6, 119-126.	2.9	8

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37	Pollution metallique relargable par les aerosols d'origine autoroutiere. Environmental Technology (United Kingdom), 1992, 13, 35-44.	2.2	8
38	International union of pure and applied chemistry physical chemistry division, steering committee on biophysical chemistry analytical chemistry division, commission V.5 (electroanalytical chemistry) Electrochemical biosensors: proposed definitions and classification synopsis of the report. Sensors and Actuators B: Chemical, 1996, 30, 81.	7.8	8
39	Binding of L-glutamate to glutamate dehydrogenase in the presence of 1,4,5,6-tetrahydropyridine adenine dinucleotide. FEBS Letters, 1975, 54, 206-211.	2.8	6
40	Experimental simulation of biodegradation in rivers. Water Research, 1983, 17, 1267-1274.	11.3	6
41	Biosensors for intracorporeal measurements: problems and strategies. Biochemical Society Transactions, 1991, 19, 9-11.	3.4	4
42	Modified platinum electrodes: electrochemical characteristics and behaviour in activated sludge. Water Science and Technology, 1996, 34, 143.	2.5	3
43	Microbial Decomposition. Developments in Environmental Modelling, 1989, , 217-246.	0.3	1
44	Analytical Bioelectrochemistry. , 1985, , 181-188.		0