

Chantal Compere

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80
papers

3,021
citations

32
h-index

54
g-index

88
ext. papers

3,263
ext. citations

4.2
avg, IF

4.26
L-index

#	Paper	IF	Citations
80	What governs marine fouling assemblages on chemically-active antifouling coatings?. <i>Progress in Organic Coatings</i> , 2022 , 164, 106701	4.8	1
79	Theoretical Study of High Near-Field Enhancement Associated with the Lasing Action in Strongly Coupled Plasmonic Nanocavity Arrays. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 749-756	3.8	
78	Effect of plasmonic mode on plasmon-based lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018 , 35, 3110	1.7	1
77	Organometallic nanoprobe to enhance optical response on the polycyclic aromatic hydrocarbon benzo[a]pyrene immunoassay using SERS technology. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 27070-27076	5.1	10
76	In situ measurement with diffusive gradients in thin films: effect of biofouling in freshwater. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 13797-13807	5.1	12
75	A surface plasmon resonance system for the underwater detection of domoic acid. <i>Limnology and Oceanography: Methods</i> , 2016 , 14, 456-465	2.6	13
74	Surface enhanced infrared absorption by nanoantenna on chalcogenide glass substrates. <i>Applied Physics Letters</i> , 2015 , 106, 073103	3.4	5
73	Development of environmentally friendly antifouling paints using biodegradable polymer and lower toxic substances. <i>Progress in Organic Coatings</i> , 2014 , 77, 485-493	4.8	69
72	Direct and fast detection of Alexandrium minutum algae by using high frequency microbalance. <i>Journal of Microbiological Methods</i> , 2014 , 104, 49-54	2.8	8
71	Efficacy testing of biocides and biocidal coatings 2014 , 332-345		3
70	The effect of the salinity level on conductivity sensor calibration. <i>EPJ Web of Conferences</i> , 2014 , 77, 000153		3
69	RF sputtered amorphous chalcogenide thin films for surface enhanced infrared absorption spectroscopy. <i>Optical Materials Express</i> , 2013 , 3, 2112	2.6	43
68	Surface enhanced infrared absorption (SEIRA) spectroscopy using gold nanoparticles on As ₂ S ₃ glass. <i>Sensors and Actuators B: Chemical</i> , 2012 , 175, 142-148	8.5	26
67	Proteomic studies highlight outer-membrane proteins related to biofilm development in the marine bacterium Pseudoalteromonas sp. D41. <i>Proteomics</i> , 2012 , 12, 3180-92	4.8	28
66	Strategy to design DNA-biosensors: Single-stranded probe grafting versus target-probe duplex grafting. <i>Sensors and Actuators B: Chemical</i> , 2012 , 171-172, 719-725	8.5	1
65	DNA hybridization mechanism in an interfacial environment: What hides beneath first order k (s ⁻¹) kinetic constant?. <i>Sensors and Actuators B: Chemical</i> , 2012 , 171-172, 522-527	8.5	4
64	Thiol- and biotin-labeled probes for oligonucleotide quartz crystal microbalance biosensors of microalga alexandrium minutum. <i>Biosensors</i> , 2012 , 2, 245-54	5.9	11

63	Development of a mass sensitive quartz crystal microbalance (QCM)-based DNA biosensor using a 50 MHz electronic oscillator circuit. <i>Sensors</i> , 2011 , 11, 7656-64	3.8	43
62	Quantitative SERS sensors for environmental analysis of naphthalene. <i>Analyst, The</i> , 2011 , 136, 1018-22	5	63
61	Surface Enhanced Infrared Absorption (SEIRA) Spectroscopy using Gold Nanoparticles on As ₂ S ₃ Glass. <i>Procedia Engineering</i> , 2011 , 25, 1645-1648		5
60	The anti-biofilm activity secreted by a marine <i>Pseudoalteromonas</i> strain. <i>Biofouling</i> , 2011 , 27, 931-40	3.3	33
59	ANTARES: The first undersea neutrino telescope. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 656, 11-38	1.2	363
58	Biofouling protection for marine environmental sensors. <i>Ocean Science</i> , 2010 , 6, 503-511	4	137
57	Antibiofilm activity of the marine bacterium <i>Pseudoalteromonas</i> sp. strain 3J6. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 3452-61	4.8	70
56	First steps of in situ surface-enhanced Raman scattering during shipboard experiments. <i>Applied Spectroscopy</i> , 2010 , 64, 1086-93	3.1	9
55	One step immunochromatographic assay for the rapid detection of <i>Alexandrium minutum</i> . <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1235-9	11.8	27
54	Chalcogenide glass optical waveguides for infrared biosensing. <i>Sensors</i> , 2009 , 9, 7398-411	3.8	117
53	Towards in situ detection of PAH trace in seawater using SERS-active sensors 2009 ,		1
52	Detection of polycyclic aromatic hydrocarbon (PAH) compounds in artificial sea-water using surface-enhanced Raman scattering (SERS). <i>Talanta</i> , 2009 , 79, 199-204	6.2	85
51	Monoclonal antibody against the surface of <i>Alexandrium minutum</i> used in a whole-cell ELISA. <i>Harmful Algae</i> , 2009 , 8, 538-545	5.3	22
50	Biofouling protection for marine underwater observatories sensors 2009 ,		3
49	A biosensor for detection of DNA sequences based on a 50MHz QCM electronic oscillator circuit 2009 ,		3
48	How to Control Accessibility to Biosensor Probes?. <i>Sensor Letters</i> , 2009 , 7, 952-956	0.9	2
47	Influence of subtilisin on the adhesion of a marine bacterium which produces mainly proteins as extracellular polymers. <i>Journal of Applied Microbiology</i> , 2008 , 105, 791-9	4.7	45
46	Effects of commercial enzymes on the adhesion of a marine biofilm-forming bacterium. <i>Biofouling</i> , 2008 , 24, 11-22	3.3	128

45	Antifouling properties of poly(methyl methacrylate) films grafted with poly(ethylene glycol) monoacrylate immersed in seawater. <i>Langmuir</i> , 2008 , 24, 12272-81	4	30
44	Layer-by-Layer DNA film synthesis via branched hybridization. <i>Irbm</i> , 2008 , 29, 133-135	4.8	1
43	Surface plasmon resonance in chalcogenide glass-based optical system. <i>Sensors and Actuators B: Chemical</i> , 2008 , 130, 771-776	8.5	38
42	The ANTARES optical beacon system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 578, 498-509	1.2	49
41	Studies of a full-scale mechanical prototype line for the ANTARES neutrino telescope and tests of a prototype instrument for deep-sea acoustic measurements. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 581, 695-708	1.2	11
40	A marine bacterial adhesion microplate test using the DAPI fluorescent dye: a new method to screen antifouling agents. <i>Letters in Applied Microbiology</i> , 2007 , 44, 372-8	2.9	43
39	Anti-rabbit immunoglobulin G detection in complex medium by PM-RAIRS and QCM Influence of the antibody immobilisation method. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 2884-90	11.8	36
38	The data acquisition system for the ANTARES neutrino telescope. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 570, 107-116	1.2	113
37	Chalcogenide waveguide for IR optical range 2007 ,		4
36	XPS characterisation of BSA adsorption on stainless steel 2006 , 365-370		4
35	Oligonucleotide quartz crystal microbalance sensor for the microalgae <i>Alexandrium minutum</i> (Dinophyceae). <i>Biosensors and Bioelectronics</i> , 2006 , 21, 1355-8	11.8	21
34	Building of an immunosensor: how can the composition and structure of the thiol attachment layer affect the immunosensor efficiency?. <i>Biosensors and Bioelectronics</i> , 2006 , 22, 440-8	11.8	89
33	Immobilization of Protein A on SAMs for the elaboration of immunosensors. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006 , 53, 215-24	6	88
32	First results of the Instrumentation Line for the deep-sea ANTARES neutrino telescope. <i>Astroparticle Physics</i> , 2006 , 26, 314-324	2.4	76
31	In situ QCM DNA-biosensor probe modification. <i>Sensors and Actuators B: Chemical</i> , 2006 , 120, 329-337	8.5	37
30	Fonctionnalisation de surfaces d'acier inoxydable par des enzymes en vue d'inhiber l'adhésion de bactéries et la formation de biofilms en eau de mer. <i>Materiaux Et Techniques</i> , 2006 , 94, 455-465	0.6	1
29	45- and 70-base DNA supramolecular polymerizations on quartz crystal microbalance biosensor. <i>Chemical Communications</i> , 2005 , 6020-2	5.8	11
28	Surface characterization of three marine bacterial strains by Fourier transform IR, X-ray photoelectron spectroscopy, and time-of-flight secondary-ion mass spectrometry, correlation with adhesion on stainless steel surfaces. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 9540-9	3.4	45

27	Study of large hemispherical photomultiplier tubes for the ANTARES neutrino telescope. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 555, 132-141	1.2	61
26	Modified wire beam electrode: a useful tool to evaluate compatibility between organic coatings and cathodic protection. <i>Progress in Organic Coatings</i> , 2005 , 52, 118-125	4.8	20
25	Transmission of light in deep sea water at the site of the Antares neutrino telescope. <i>Astroparticle Physics</i> , 2005 , 23, 131-155	2.4	79
24	ToF-BIMS chemical mapping study of protein adsorption onto stainless steel surfaces immersed in saline aqueous solutions. <i>Applied Surface Science</i> , 2003 , 203-204, 693-697	6.7	19
23	Sedimentation and fouling of optical surfaces at the ANTARES site. <i>Astroparticle Physics</i> , 2003 , 19, 253-267	2.7	46
22	The ANTARES optical module. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002 , 484, 369-383	1.2	134
21	Role of salts on BSA adsorption on stainless steel in aqueous solutions. I. FT-IRRAS and XPS characterization. <i>Surface and Interface Analysis</i> , 2002 , 34, 50-54	1.5	35
20	Role of salts on the BSA adsorption on stainless steel in aqueous solutions. II. ToF-SIMS spectral and chemical mapping study. <i>Surface and Interface Analysis</i> , 2002 , 34, 55-58	1.5	18
19	Electrochemical impedance spectroscopy of a free-standing oxide film. <i>Electrochimica Acta</i> , 2002 , 47, 1043-1053	6.7	16
18	Time-of-flight secondary ion mass spectrometry: characterisation of stainless steel surfaces immersed in natural seawater. <i>Journal of Microbiological Methods</i> , 2002 , 48, 195-205	2.8	25
17	Kinetics of conditioning layer formation on stainless steel immersed in seawater. <i>Biofouling</i> , 2001 , 17, 129-145	3.3	97
16	Influence of stainless steel surface treatment on the oxygen reduction reaction in seawater. <i>Corrosion Science</i> , 2001 , 43, 765-786	6.8	119
15	Adsorption of proteins on an AISI 316 stainless-steel surface in natural seawater. <i>Surface and Interface Analysis</i> , 2000 , 30, 45-49	1.5	30
14	Background light in potential sites for the ANTARES undersea neutrino telescope. <i>Astroparticle Physics</i> , 2000 , 13, 127-136	2.4	57
13	Modeling of the adsorption on Cr ₂ O ₃ clusters of small molecules and ions present in seawater. A preliminary non-empirical study. <i>New Journal of Chemistry</i> , 2000 , 24, 993-998	3.6	8
12	AFM study of the formation of conditioning films on stainless steel in artificial sea water. <i>Biology of the Cell</i> , 1999 , 91, 281-281	3.5	
11	Chemical composition and semiconducting behaviour of stainless steel passive films in contact with artificial seawater. <i>Corrosion Science</i> , 1998 , 40, 481-494	6.8	69
10	Semiconducting Behaviour of Stainless Steel Passive Films in Contact with Artificial Seawater. <i>Materials Science Forum</i> , 1998 , 289-292, 887-894	0.4	3

9	Characterization of Biofilms Formed on Gold in Natural Seawater by Oxygen Diffusion Analysis. <i>Corrosion</i> , 1997 , 53, 4-10	1.8	12
8	Aging of Type 316L Stainless Steel in Seawater: Relationship Between Open-Circuit Potential, Exposure Time, and Pitting Potential. <i>Corrosion</i> , 1996 , 52, 496-501	1.8	14
7	The corrosion evaluation of painted and artificially damaged painted steel panels by AC impedance measurements. <i>Corrosion Science</i> , 1993 , 34, 1259-1274	6.8	32
6	Effect of 3,5-Dinitrosalicylic Acid on Passivation of Copper during Electrorefining. <i>Materials Science Forum</i> , 1992 , 111-112, 329-344	0.4	1
5	Behavior of phenolic-coated steel in concentrated sulfuric acid. <i>Progress in Organic Coatings</i> , 1992 , 20, 187-198	4.8	4
4	Evaluation of the corrosion resistance of painted steels by impedance measurements. <i>Corrosion Science</i> , 1992 , 33, 1067-1081	6.8	25
3	Biofouling protection for marine environmental sensors		5
2	Improving the Sensitivity of the Plasmon-Based Sensor by Asymmetric Nanoarray. <i>Plasmonics</i> , 1	2.4	0
1	Constraints of the Marine Environment 23-42		