

# DevÃ's Guillaume

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

317  
citations

933264

10  
h-index

839398

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

474  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synchrotron hard x-ray microprobe: Fluorescence imaging of single cells. Applied Physics Letters, 2001, 78, 3544-3546.	1.5	85
2	Micro-chemical imaging of cesium distribution in Arabidopsis thaliana plant and its interaction with potassium and essential trace elements. Biochimie, 2006, 88, 1583-1590.	1.3	69
3	An interdisciplinary approach to investigate the impact of cobalt in human keratinocyte cell line. Biochimie, 2006, 88, 1619-1629.	1.3	18
4	Three-dimensional densitometry imaging of diatom cells using STIM tomography. Nuclear Instruments & Methods in Physics Research B, 2006, 249, 653-659.	0.6	15
5	In-air scanning transmission ion microscopy of cultured cancer cells. Nuclear Instruments & Methods in Physics Research B, 2001, 181, 475-479.	0.6	13
6	Iron distribution in cancer cells following doxorubicin exposure using proton and X-ray synchrotron radiation microprobes. Nuclear Instruments & Methods in Physics Research B, 2001, 181, 480-484.	0.6	13
7	Chromium mapping in male mice reproductive glands exposed to CrCl <sub>3</sub> using proton and X-ray synchrotron radiation microbeams. Nuclear Instruments & Methods in Physics Research B, 2001, 181, 485-488.	0.6	12
8	A comparison of quantitative reconstruction techniques for PIXE-tomography analysis applied to biological samples. Nuclear Instruments & Methods in Physics Research B, 2014, 331, 248-252.	0.6	12
9	Quantitative reconstruction of PIXE-tomography data for thin samples using GUPIX X-ray emission yields. Nuclear Instruments & Methods in Physics Research B, 2015, 348, 92-99.	0.6	12
10	Calcium, potassium, iron, copper and zinc concentrations in the white and gray matter of the cerebellum and corpus callosum in brain of four genetic mouse strains. Nuclear Instruments & Methods in Physics Research B, 2005, 231, 234-238.	0.6	11
11	Fully quantitative imaging of chemical elements in Arabidopsis thaliana tissues using STIM, PIXE and RBS. Nuclear Instruments & Methods in Physics Research B, 2005, 231, 117-122.	0.6	10
12	Nuclear microprobe determination of platinum quantitative distribution in rat brain tumors after cisplatin or carboplatin injection for PAT treatment of glioma. Nuclear Instruments & Methods in Physics Research B, 2005, 231, 321-325.	0.6	10
13	Characterization of Si p-n diode for scanning transmission ion microanalysis of biological samples. Review of Scientific Instruments, 2006, 77, 056102.	0.6	10
14	Iron and other elements (Cu, Zn, Ca) contents in retina of rats during development and hereditary retinal degeneration. Nuclear Instruments & Methods in Physics Research B, 2001, 181, 533-538.	0.6	9
15	Comparison of STIM and particle backscattering spectrometry mass determination for quantitative microanalysis of cultured cells. Nuclear Instruments & Methods in Physics Research B, 2001, 181, 460-464.	0.6	7
16	Paparamborde: a software dedicated to quantitative mapping of biological samples using scanning transmission ion microscopy. Nuclear Instruments & Methods in Physics Research B, 2005, 231, 136-141.	0.6	5
17	An implementation of the NiftyRec medical imaging library for PIXE-tomography reconstruction. Nuclear Instruments & Methods in Physics Research B, 2017, 404, 131-139.	0.6	4
18	Iron, transferrin and myelinogenesis. Nuclear Instruments & Methods in Physics Research B, 2003, 210, 349-353.	0.6	1

#	ARTICLE	IF	CITATIONS
19	X-ray photons produced from a plasma-cathode electron beam for radiation biology applications. Applied Physics Letters, 2021, 118, 044102.	1.5	1