

# Xavier Machuron-Mandard

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

269  
citations

840776

11  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

379  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plutonium dioxide particle properties as a function of calcination temperature. <i>Journal of Alloys and Compounds</i> , 1996, 235, 216-224.	5.5	51
2	Comparison of the activation time effects and the internal energy distributions for the CID, PQD and HCD excitation modes. <i>Journal of Mass Spectrometry</i> , 2014, 49, 498-508.	1.6	38
3	Capabilities and limitations of direct analysis in real time orbitrap mass spectrometry and tandem mass spectrometry for the analysis of synthetic and natural polymers. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 2057-2070.	1.5	32
4	Quantitative analysis of phosphoric acid esters in aqueous samples by isotope dilution stir-bar sorptive extraction combined with direct analysis in real time (DART)-Orbitrap mass spectrometry. <i>Analytica Chimica Acta</i> , 2015, 869, 1-10.	5.4	30
5	A LC-MS method allowing the analysis of HMX and RDX present at the picogram level in natural aqueous samples without a concentration step. <i>Talanta</i> , 2009, 77, 1609-1613.	5.5	20
6	A MEMS electron impact ion source integrated in a microtime-of-flight mass spectrometer. <i>Sensors and Actuators B: Chemical</i> , 2013, 189, 173-178.	7.8	18
7	Identification tree based on fragmentation rules for structure elucidation of organophosphorus esters by electrospray mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2013, 48, 576-586.	1.6	18
8	Collision cell pressure effect on CID spectra pattern using triple quadrupole instruments: a RRKM modeling. <i>Journal of Mass Spectrometry</i> , 2013, 48, 179-186.	1.6	13
9	Differentiation of isomeric dinitrotoluenes and aminodinitrotoluenes using electrospray high resolution mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2014, 49, 1330-1337.	1.6	13
10	Basic studies on the kinetics and mechanism of the rapid dissolution reaction of plutonium dioxide under reducing conditions in acidic media. <i>Journal of Alloys and Compounds</i> , 1994, 213-214, 100-105.	5.5	12
11	Clarification of the 30 Da releases from the $[M-H]^-$ and $M^+$ ions of trinitrotoluene by electrospray high resolution mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2014, 49, 327-330.	1.6	12
12	ESI formation of a Meisenheimer complex from tetryl and its unusual dissociation. <i>Journal of Mass Spectrometry</i> , 2013, 48, 306-311.	1.6	8
13	A MEMS Electron Impact ion Source Integrated in a Micro-time-of-flight Mass Spectrometer. <i>Procedia Engineering</i> , 2012, 47, 538-541.	1.2	2
14	New insights into dissociation of deprotonated 2,4-dinitrotoluene by combined high-resolution mass spectrometry and density functional theory calculations. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 29-34.	1.5	2