AurÃ©lien Moy

List of Publications by Year in descending order

23 papers	131 citations	1307594 7 h-index	1281871 11 g-index
23 all docs	23 docs citations	23 times ranked	92 citing authors

#	Article	IF	Citations
1	Electron Probe Microanalysis of Transition Metals using L lines: The Effect of Self-absorption. Microscopy and Microanalysis, 2022, 28, 123-137.	0.4	3
2	Electron probe microanalysis: A review of recent developments and applications in materials science and engineering. Progress in Materials Science, 2021, 116, 100673.	32.8	45
3	<i>Ï•</i>(<i>Ïz</i>) Distributions in Bulk and Thin-Film Samples for EPMA. Part 2: BadgerFilm: A New Thin-Film Analysis Program. Microscopy and Microanalysis, 2021, 27, 284-296.	0.4	9
4	<i>Ï•</i>(<i>Ïz</i>) Distributions in Bulk and Thin Film Samples for EPMA. Part 1: A Modified <i>Ï•</i>(<i>Ïz</i>) Distribution for Bulk Materials, Including Characteristic and Bremsstrahlung Fluorescence. Microscopy and Microanalysis, 2021, 27, 266-283.	0.4	8
5	Electron probe microanalysis of transition metals using L-lines: the effect of self-absorption. Microscopy and Microanalysis, 2021, 27, 1096-1097.	0.4	0
6	Reprint of: Electron probe microanalysis: A review of recent developments and applications in materials science and engineering. Progress in Materials Science, 2021, 120, 100818.	32.8	6
7	BadgerFilm: a versatile thin film analysis program for EPMA and more. Microscopy and Microanalysis, 2021, 27, 1658-1660.	0.4	2
8	Universal Mean Atomic Number curves for EPMA calculated by Monte Carlo simulations. Microscopy and Microanalysis, 2021, 27, 1098-1101.	0.4	1
9	Oxidation of metallic glass thin films: a combined EPMA and XPS investigation into the composition and thickness of oxidized surfaces. Microscopy and Microanalysis, 2021, 27, 3328-3330.	0.4	0
10	Using Calibration Curves to Quantify Fe with the Soft LÎ± and LÎ² X-ray Lines. Microscopy and Microanalysis, 2020, 26, 50-52.	0.4	0
11	Quantitative Microanalysis of Chromites and Garnets at Low kV Using Fe and Cr LÎ± and LÎ² X-ray Lines. Microscopy and Microanalysis, 2020, 26, 54-56.	0.4	0
12	The EPMA Matrix Correction: All Elements Must Be Present for Accuracy: Four Examples with B, C, O and F. Microscopy and Microanalysis, 2020, 26, 58-59.	0.4	2
13	BadgerFilm: An Open Source Thin Film Analysis Program. Microscopy and Microanalysis, 2020, 26, 496-498.	0.4	5
14	Proposal: Let's Develop a Community Consensus K-ratio Database. Microscopy and Microanalysis, 2020, 26, 1774-1776.	0.4	2
15	Solving the iron quantification problem in low-kV EPMA: An essential step toward improved analytical spatial resolution in electron probe microanalysisâ€"Olivines. American Mineralogist, 2019, 104, 1131-1142.	1.9	9
16	An EPMA Study of the Soft Fe LÎ±-LÎ² X-ray lines in Fe-silicide, Olivine and Fe-sulfide Minerals by SXES and WDS. Microscopy and Microanalysis, 2019, 25, 252-253.	0.4	0
17	Quantitative Measurement of Iron-Silicides by EPMA Using the Fe L<i>Î±</i> and L<i>Î²</i> X-ray Lines: A New Twist to an Old Approach. Microscopy and Microanalysis, 2019, 25, 664-674.	0.4	13
18	A Study on the Change of the Fe La Mass Absorption Coefficients and Fluorescence Yields in Iron Silicide Samples by EPMA. Microscopy and Microanalysis, 2018, 24, 2038-2039.	0.4	0

#	Article	IF	Citations
19	Iron La and LP X-ray Lines: a Comparison of EPMA Measurements and Theoretical Calculations, With Possible Implications for Oxidation Determination. Microscopy and Microanalysis, 2018, 24, 2016-2017.	0.4	0
20	Analytical Spatial Resolution in EPMA: What is it and How can it be Estimated?. Microscopy and Microanalysis, 2017, 23, 1098-1099.	0.4	4
21	Quantitative Electron Probe Microanalysis of Fe at Low Accelerating Voltage Using the LÎ± and LÎ² X-ray Lines. Microscopy and Microanalysis, 2017, 23, 1058-1059.	0.4	0
22	Standardless Quantification of Heavy Elements by Electron Probe Microanalysis. Analytical Chemistry, 2015, 87, 7779-7786.	6.5	14
23	Measurements of absolute M<i>Î±</i> xâ€ray production cross sections of heavy elements Au, Pb, Bi, and U by electron impact. Surface and Interface Analysis, 2014, 46, 1170-1173.	1.8	8